

Appendix C

Air Quality Modeling

Appendix C1

Criteria Pollutant Modeling and Calculations

C1 -1 CalEEMod Construction
Outputs
(Innovation Park PUD)

Innovation Park - Demolition - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Innovation Park - Demolition
Sacramento County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	183.80	Acre	183.80	8,006,328.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2024
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	357.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Demolition of areana

Land Use - Demo of areana only

Construction Phase - Default demolition schedule for land use type

Demolition -

Construction Off-road Equipment Mitigation - Tier 4 MM + Dust BMPs

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

Innovation Park - Demolition - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2730	2.7759	2.1348	4.6900e-003	0.2758	0.1260	0.4018	0.0453	0.1172	0.1625	0.0000	419.0591	419.0591	0.0986	0.0114	424.9188
Maximum	0.2730	2.7759	2.1348	4.6900e-003	0.2758	0.1260	0.4018	0.0453	0.1172	0.1625	0.0000	419.0591	419.0591	0.0986	0.0114	424.9188

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0553	0.4043	2.4033	4.6900e-003	0.1403	7.8600e-003	0.1482	0.0248	7.7900e-003	0.0326	0.0000	419.0587	419.0587	0.0986	0.0114	424.9184
Maximum	0.0553	0.4043	2.4033	4.6900e-003	0.1403	7.8600e-003	0.1482	0.0248	7.7900e-003	0.0326	0.0000	419.0587	419.0587	0.0986	0.0114	424.9184

Innovation Park - Demolition - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	79.73	85.44	-12.58	0.00	49.12	93.76	63.12	45.28	93.35	79.95	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-3-2022	4-2-2022	0.9813	0.1491
2	4-3-2022	7-2-2022	0.9875	0.1459
3	7-3-2022	9-30-2022	0.9766	0.1443
		Highest	0.9875	0.1491

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0755	2.0000e-005	2.3400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.5600e-003	4.5600e-003	1.0000e-005	0.0000	4.8600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0905	0.1048	0.7386	1.4200e-003	0.1445	1.1600e-003	0.1457	0.0387	1.0900e-003	0.0397	0.0000	131.4567	131.4567	0.0103	7.1600e-003	133.8483
Waste						0.0000	0.0000		0.0000	0.0000	3.2093	0.0000	3.2093	0.1897	0.0000	7.9509
Water						0.0000	0.0000		0.0000	0.0000	0.0000	124.4587	124.4587	0.0115	1.3900e-003	125.1600
Total	0.1660	0.1048	0.7409	1.4200e-003	0.1445	1.1700e-003	0.1457	0.0387	1.1000e-003	0.0397	3.2093	255.9200	259.1293	0.2115	8.5500e-003	266.9640

Innovation Park - Demolition - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0755	2.0000e-005	2.3400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.5600e-003	4.5600e-003	1.0000e-005	0.0000	4.8600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0905	0.1048	0.7386	1.4200e-003	0.1445	1.1600e-003	0.1457	0.0387	1.0900e-003	0.0397	0.0000	131.4567	131.4567	0.0103	7.1600e-003	133.8483
Waste						0.0000	0.0000		0.0000	0.0000	3.2093	0.0000	3.2093	0.1897	0.0000	7.9509
Water						0.0000	0.0000		0.0000	0.0000	0.0000	124.4587	124.4587	0.0115	1.3900e-003	125.1600
Total	0.1660	0.1048	0.7409	1.4200e-003	0.1445	1.1700e-003	0.1457	0.0387	1.1000e-003	0.0397	3.2093	255.9200	259.1293	0.2115	8.5500e-003	266.9640

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	10/7/2022	5	200	

Acres of Grading (Site Preparation Phase): 0

Innovation Park - Demolition - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	2,183.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Innovation Park - Demolition - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2463	0.0000	0.2463	0.0373	0.0000	0.0373	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2639	2.5719	2.0594	3.8800e-003		0.1243	0.1243		0.1155	0.1155	0.0000	339.9023	339.9023	0.0955	0.0000	342.2892
Total	0.2639	2.5719	2.0594	3.8800e-003	0.2463	0.1243	0.3706	0.0373	0.1155	0.1528	0.0000	339.9023	339.9023	0.0955	0.0000	342.2892

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.4800e-003	0.2010	0.0376	7.1000e-004	0.0185	1.6400e-003	0.0201	5.0700e-003	1.5700e-003	6.6400e-003	0.0000	70.1435	70.1435	2.8100e-003	0.0111	73.5273
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6200e-003	3.0100e-003	0.0378	1.0000e-004	0.0110	6.0000e-005	0.0111	2.9300e-003	6.0000e-005	2.9900e-003	0.0000	9.0133	9.0133	3.1000e-004	2.7000e-004	9.1024
Total	9.1000e-003	0.2040	0.0754	8.1000e-004	0.0295	1.7000e-003	0.0312	8.0000e-003	1.6300e-003	9.6300e-003	0.0000	79.1568	79.1568	3.1200e-003	0.0114	82.6297

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1108	0.0000	0.1108	0.0168	0.0000	0.0168	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0462	0.2003	2.3280	3.8800e-003		6.1600e-003	6.1600e-003		6.1600e-003	6.1600e-003	0.0000	339.9019	339.9019	0.0955	0.0000	342.2887
Total	0.0462	0.2003	2.3280	3.8800e-003	0.1108	6.1600e-003	0.1170	0.0168	6.1600e-003	0.0229	0.0000	339.9019	339.9019	0.0955	0.0000	342.2887

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.4800e-003	0.2010	0.0376	7.1000e-004	0.0185	1.6400e-003	0.0201	5.0700e-003	1.5700e-003	6.6400e-003	0.0000	70.1435	70.1435	2.8100e-003	0.0111	73.5273
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6200e-003	3.0100e-003	0.0378	1.0000e-004	0.0110	6.0000e-005	0.0111	2.9300e-003	6.0000e-005	2.9900e-003	0.0000	9.0133	9.0133	3.1000e-004	2.7000e-004	9.1024
Total	9.1000e-003	0.2040	0.0754	8.1000e-004	0.0295	1.7000e-003	0.0312	8.0000e-003	1.6300e-003	9.6300e-003	0.0000	79.1568	79.1568	3.1200e-003	0.0114	82.6297

Innovation Park PUD - Part 1 - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Innovation Park PUD - Part 1
Sacramento County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	91.50	1000sqft	1.83	91,476.00	0
Elementary School	65.30	1000sqft	1.50	65,340.00	0
General Light Industry	9.30	1000sqft	0.43	9,256.50	0
Parking Lot	435.60	1000sqft	10.00	435,600.00	0
City Park	1.80	Acre	1.80	78,408.00	0
Health Club	114.30	1000sqft	2.63	114,345.00	0
Hotel	38.00	Room	0.94	54,450.00	0
Apartments Mid Rise	424.00	Dwelling Unit	5.92	433,759.00	1132
Condo/townhouse	119.00	Dwelling Unit	4.58	118,500.00	318
Single Family Housing	77.00	Dwelling Unit	6.40	138,150.00	206
Strip Mall	49.50	1000sqft	0.96	49,549.50	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2026
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	357.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - One quarter build out, construction only

Land Use - 1/4 of land use

Innovation Park PUD - Part 1 - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Construction Phase - Adjusted for 4 year schedule

Trips and VMT -

Demolition -

Grading - Acre graded = site acreage

Architectural Coating -

Woodstoves -

Area Coating -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMPs

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	55.00	53.00
tblConstructionPhase	NumDays	740.00	784.00
tblConstructionPhase	NumDays	75.00	78.00
tblConstructionPhase	NumDays	55.00	53.00
tblConstructionPhase	NumDays	30.00	28.00
tblGrading	AcresOfGrading	234.00	37.00
tblGrading	AcresOfGrading	42.00	0.00
tblGrading	MaterialExported	0.00	56,930.00
tblGrading	MaterialImported	0.00	111,420.00
tblLandUse	LandUseSquareFeet	91,500.00	91,476.00
tblLandUse	LandUseSquareFeet	65,300.00	65,340.00
tblLandUse	LandUseSquareFeet	9,300.00	9,256.50
tblLandUse	LandUseSquareFeet	114,300.00	114,345.00
tblLandUse	LandUseSquareFeet	55,176.00	54,450.00
tblLandUse	LandUseSquareFeet	424,000.00	433,759.00

Innovation Park PUD - Part 1 - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblLandUse	LandUseSquareFeet	119,000.00	118,500.00
tblLandUse	LandUseSquareFeet	138,600.00	138,150.00
tblLandUse	LandUseSquareFeet	49,500.00	49,549.50
tblLandUse	LotAcreage	2.10	1.83
tblLandUse	LotAcreage	0.21	0.43
tblLandUse	LotAcreage	2.62	2.63
tblLandUse	LotAcreage	1.27	0.94
tblLandUse	LotAcreage	11.16	5.92
tblLandUse	LotAcreage	7.44	4.58
tblLandUse	LotAcreage	25.00	6.40
tblLandUse	LotAcreage	1.14	0.96

2.0 Emissions Summary

Innovation Park PUD - Part 1 - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2413	3.5437	1.8523	8.1900e-003	0.6970	0.1085	0.8055	0.2859	0.1005	0.3864	0.0000	774.0239	774.0239	0.1057	0.0780	799.9091
2023	0.5324	4.0477	4.8846	0.0167	0.9932	0.1141	1.1073	0.2843	0.1071	0.3914	0.0000	1,559.2753	1,559.2753	0.1239	0.1172	1,597.2877
2024	0.5025	3.2624	4.7398	0.0151	0.9165	0.0913	1.0078	0.2475	0.0860	0.3335	0.0000	1,402.2946	1,402.2946	0.1016	0.0911	1,431.9673
2025	0.4691	3.0791	4.5587	0.0147	0.9130	0.0795	0.9924	0.2466	0.0748	0.3214	0.0000	1,372.5763	1,372.5763	0.0990	0.0883	1,401.3584
2026	6.2602	0.5663	0.9622	2.3800e-003	0.1242	0.0205	0.1447	0.0334	0.0191	0.0526	0.0000	218.9973	218.9973	0.0279	9.2000e-003	222.4354
Maximum	6.2602	4.0477	4.8846	0.0167	0.9932	0.1141	1.1073	0.2859	0.1071	0.3914	0.0000	1,559.2753	1,559.2753	0.1239	0.1172	1,597.2877

Innovation Park PUD - Part 1 - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0732	1.5740	2.0407	8.1900e-003	0.3894	0.0166	0.4060	0.1494	0.0161	0.1655	0.0000	774.0236	774.0236	0.1057	0.0780	799.9088
2023	0.3541	2.2299	5.0894	0.0167	0.9315	0.0201	0.9516	0.2590	0.0194	0.2783	0.0000	1,559.2749	1,559.2749	0.1239	0.1172	1,597.2873
2024	0.3527	1.7940	4.9092	0.0151	0.9165	0.0163	0.9328	0.2475	0.0157	0.2633	0.0000	1,402.2943	1,402.2943	0.1016	0.0911	1,431.9670
2025	0.3334	1.7435	4.7382	0.0147	0.9130	0.0160	0.9289	0.2466	0.0154	0.2620	0.0000	1,372.5760	1,372.5760	0.0990	0.0883	1,401.3580
2026	6.2261	0.2111	1.0527	2.3800e-003	0.1242	2.8100e-003	0.1270	0.0334	2.7400e-003	0.0362	0.0000	218.9972	218.9972	0.0279	9.2000e-003	222.4353
Maximum	6.2261	2.2299	5.0894	0.0167	0.9315	0.0201	0.9516	0.2590	0.0194	0.2783	0.0000	1,559.2749	1,559.2749	0.1239	0.1172	1,597.2873

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	8.32	47.91	-4.90	0.00	10.14	82.64	17.53	14.74	82.11	32.32	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2022	9-30-2022	1.0832	0.1706
2	10-1-2022	12-31-2022	2.7268	1.4946
3	1-1-2023	3-31-2023	1.5950	0.9265
4	4-1-2023	6-30-2023	0.9768	0.5414
5	7-1-2023	9-30-2023	0.9875	0.5474
6	10-1-2023	12-31-2023	1.0111	0.5709
7	1-1-2024	3-31-2024	0.9486	0.5472

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8	4-1-2024	6-30-2024	0.9259	0.5245
9	7-1-2024	9-30-2024	0.9361	0.5302
10	10-1-2024	12-31-2024	0.9591	0.5532
11	1-1-2025	3-31-2025	0.8877	0.5253
12	4-1-2025	6-30-2025	0.8755	0.5091
13	7-1-2025	9-30-2025	0.8851	0.5147
14	10-1-2025	12-31-2025	0.9074	0.5370
15	1-1-2026	3-31-2026	0.5432	0.2439
16	4-1-2026	6-30-2026	5.9373	5.8484
17	7-1-2026	9-30-2026	0.2512	0.2500
		Highest	5.9373	5.8484

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.0356	0.0737	6.3980	3.4000e-004		0.0355	0.0355		0.0355	0.0355	0.0000	10.4642	10.4642	0.0101	0.0000	10.7156
Energy	0.0916	0.8087	0.5253	4.9900e-003		0.0633	0.0633		0.0633	0.0633	0.0000	2,144.8298	2,144.8298	0.1316	0.0305	2,157.1938
Mobile	4.3880	4.9433	36.1661	0.0709	7.7244	0.0569	7.7813	2.0647	0.0531	2.1178	0.0000	6,770.6162	6,770.6162	0.5041	0.3521	6,888.1319
Waste						0.0000	0.0000		0.0000	0.0000	249.6566	0.0000	249.6566	14.7543	0.0000	618.5136
Water						0.0000	0.0000		0.0000	0.0000	25.5066	86.1441	111.6506	0.0957	0.0564	130.8604
Total	9.5152	5.8256	43.0894	0.0763	7.7244	0.1556	7.8800	2.0647	0.1519	2.2165	275.1631	9,012.0543	9,287.2174	15.4958	0.4389	9,805.4152

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.0356	0.0737	6.3980	3.4000e-004		0.0355	0.0355		0.0355	0.0355	0.0000	10.4642	10.4642	0.0101	0.0000	10.7156
Energy	0.0916	0.8087	0.5253	4.9900e-003		0.0633	0.0633		0.0633	0.0633	0.0000	2,144.8298	2,144.8298	0.1316	0.0305	2,157.1938
Mobile	4.3880	4.9433	36.1661	0.0709	7.7244	0.0569	7.7813	2.0647	0.0531	2.1178	0.0000	6,770.6162	6,770.6162	0.5041	0.3521	6,888.1319
Waste						0.0000	0.0000		0.0000	0.0000	249.6566	0.0000	249.6566	14.7543	0.0000	618.5136
Water						0.0000	0.0000		0.0000	0.0000	25.5066	86.1441	111.6506	0.0957	0.0564	130.8604
Total	9.5152	5.8256	43.0894	0.0763	7.7244	0.1556	7.8800	2.0647	0.1519	2.2165	275.1631	9,012.0543	9,287.2174	15.4958	0.4389	9,805.4152

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/1/2022	9/8/2022	5	50	
2	Site Preparation	Site Preparation	9/9/2022	10/18/2022	5	28	
3	Grading	Grading	10/19/2022	2/3/2023	5	78	

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4	Building Construction	Building Construction	2/6/2023	2/5/2026	5	784
5	Paving	Paving	2/6/2026	4/21/2026	5	53
6	Architectural Coating	Architectural Coating	4/22/2026	7/3/2026	5	53

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 37

Acres of Paving: 10

Residential Indoor: 1,398,078; Residential Outdoor: 466,026; Non-Residential Indoor: 576,626; Non-Residential Outdoor: 192,209; Striped Parking Area: 26,136 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36

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Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	973.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	21,044.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	782.00	214.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	156.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1098	0.0000	0.1098	0.0166	0.0000	0.0166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0660	0.6430	0.5149	9.7000e-004		0.0311	0.0311		0.0289	0.0289	0.0000	84.9756	84.9756	0.0239	0.0000	85.5723
Total	0.0660	0.6430	0.5149	9.7000e-004	0.1098	0.0311	0.1409	0.0166	0.0289	0.0455	0.0000	84.9756	84.9756	0.0239	0.0000	85.5723

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-003	0.0896	0.0168	3.2000e-004	8.2300e-003	7.3000e-004	8.9600e-003	2.2600e-003	7.0000e-004	2.9600e-003	0.0000	31.2641	31.2641	1.2500e-003	4.9600e-003	32.7724
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1600e-003	7.5000e-004	9.4600e-003	2.0000e-005	2.7500e-003	2.0000e-005	2.7700e-003	7.3000e-004	1.0000e-005	7.5000e-004	0.0000	2.2679	2.2679	8.0000e-005	7.0000e-005	2.2902
Total	3.1600e-003	0.0903	0.0262	3.4000e-004	0.0110	7.5000e-004	0.0117	2.9900e-003	7.1000e-004	3.7100e-003	0.0000	33.5320	33.5320	1.3300e-003	5.0300e-003	35.0625

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0494	0.0000	0.0494	7.4800e-003	0.0000	7.4800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0116	0.0501	0.5820	9.7000e-004		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003	0.0000	84.9755	84.9755	0.0239	0.0000	85.5722
Total	0.0116	0.0501	0.5820	9.7000e-004	0.0494	1.5400e-003	0.0510	7.4800e-003	1.5400e-003	9.0200e-003	0.0000	84.9755	84.9755	0.0239	0.0000	85.5722

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-003	0.0896	0.0168	3.2000e-004	8.2300e-003	7.3000e-004	8.9600e-003	2.2600e-003	7.0000e-004	2.9600e-003	0.0000	31.2641	31.2641	1.2500e-003	4.9600e-003	32.7724
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1600e-003	7.5000e-004	9.4600e-003	2.0000e-005	2.7500e-003	2.0000e-005	2.7700e-003	7.3000e-004	1.0000e-005	7.5000e-004	0.0000	2.2679	2.2679	8.0000e-005	7.0000e-005	2.2902
Total	3.1600e-003	0.0903	0.0262	3.4000e-004	0.0110	7.5000e-004	0.0117	2.9900e-003	7.1000e-004	3.7100e-003	0.0000	33.5320	33.5320	1.3300e-003	5.0300e-003	35.0625

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2529	0.0000	0.2529	0.1390	0.0000	0.1390	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0444	0.4632	0.2758	5.3000e-004		0.0226	0.0226		0.0208	0.0208	0.0000	46.8152	46.8152	0.0151	0.0000	47.1937
Total	0.0444	0.4632	0.2758	5.3000e-004	0.2529	0.0226	0.2755	0.1390	0.0208	0.1598	0.0000	46.8152	46.8152	0.0151	0.0000	47.1937

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.8000e-004	5.1000e-004	6.3600e-003	2.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.5240	1.5240	5.0000e-005	5.0000e-005	1.5390
Total	7.8000e-004	5.1000e-004	6.3600e-003	2.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.5240	1.5240	5.0000e-005	5.0000e-005	1.5390

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3.3 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1138	0.0000	0.1138	0.0626	0.0000	0.0626	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5200e-003	0.0282	0.2922	5.3000e-004		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	46.8151	46.8151	0.0151	0.0000	47.1936
Total	6.5200e-003	0.0282	0.2922	5.3000e-004	0.1138	8.7000e-004	0.1147	0.0626	8.7000e-004	0.0634	0.0000	46.8151	46.8151	0.0151	0.0000	47.1936

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.8000e-004	5.1000e-004	6.3600e-003	2.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.5240	1.5240	5.0000e-005	5.0000e-005	1.5390
Total	7.8000e-004	5.1000e-004	6.3600e-003	2.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.5240	1.5240	5.0000e-005	5.0000e-005	1.5390

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3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1966	0.0000	0.1966	0.0925	0.0000	0.0925	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0961	1.0294	0.7696	1.6500e-003		0.0433	0.0433		0.0399	0.0399	0.0000	144.5167	144.5167	0.0467	0.0000	145.6852
Total	0.0961	1.0294	0.7696	1.6500e-003	0.1966	0.0433	0.2399	0.0925	0.0399	0.1323	0.0000	144.5167	144.5167	0.0467	0.0000	145.6852

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0294	1.3163	0.2461	4.6500e-003	0.1210	0.0107	0.1317	0.0332	0.0103	0.0435	0.0000	459.4552	459.4552	0.0184	0.0728	481.6197
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6300e-003	1.0600e-003	0.0134	3.0000e-005	3.8900e-003	2.0000e-005	3.9100e-003	1.0400e-003	2.0000e-005	1.0600e-003	0.0000	3.2053	3.2053	1.1000e-004	1.0000e-004	3.2368
Total	0.0310	1.3174	0.2595	4.6800e-003	0.1248	0.0108	0.1356	0.0343	0.0103	0.0446	0.0000	462.6604	462.6604	0.0185	0.0729	484.8565

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3.4 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0885	0.0000	0.0885	0.0416	0.0000	0.0416	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0202	0.0875	0.8745	1.6500e-003		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	144.5165	144.5165	0.0467	0.0000	145.6850
Total	0.0202	0.0875	0.8745	1.6500e-003	0.0885	2.6900e-003	0.0912	0.0416	2.6900e-003	0.0443	0.0000	144.5165	144.5165	0.0467	0.0000	145.6850

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0294	1.3163	0.2461	4.6500e-003	0.1210	0.0107	0.1317	0.0332	0.0103	0.0435	0.0000	459.4552	459.4552	0.0184	0.0728	481.6197
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6300e-003	1.0600e-003	0.0134	3.0000e-005	3.8900e-003	2.0000e-005	3.9100e-003	1.0400e-003	2.0000e-005	1.0600e-003	0.0000	3.2053	3.2053	1.1000e-004	1.0000e-004	3.2368
Total	0.0310	1.3174	0.2595	4.6800e-003	0.1248	0.0108	0.1356	0.0343	0.0103	0.0446	0.0000	462.6604	462.6604	0.0185	0.0729	484.8565

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1123	0.0000	0.1123	0.0461	0.0000	0.0461	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0415	0.4314	0.3506	7.8000e-004		0.0178	0.0178		0.0164	0.0164	0.0000	68.1690	68.1690	0.0221	0.0000	68.7202
Total	0.0415	0.4314	0.3506	7.8000e-004	0.1123	0.0178	0.1301	0.0461	0.0164	0.0625	0.0000	68.1690	68.1690	0.0221	0.0000	68.7202

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.9700e-003	0.5369	0.1078	2.1200e-003	0.0570	3.9200e-003	0.0610	0.0157	3.7500e-003	0.0194	0.0000	209.5310	209.5310	8.3400e-003	0.0332	219.6400
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2000e-004	4.4000e-004	5.8300e-003	2.0000e-005	1.8400e-003	1.0000e-005	1.8500e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.4730	1.4730	5.0000e-005	4.0000e-005	1.4867
Total	9.6900e-003	0.5373	0.1136	2.1400e-003	0.0589	3.9300e-003	0.0628	0.0162	3.7600e-003	0.0199	0.0000	211.0040	211.0040	8.3900e-003	0.0333	221.1267

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0505	0.0000	0.0505	0.0208	0.0000	0.0208	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5200e-003	0.0413	0.4125	7.8000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003	0.0000	68.1689	68.1689	0.0221	0.0000	68.7201
Total	9.5200e-003	0.0413	0.4125	7.8000e-004	0.0505	1.2700e-003	0.0518	0.0208	1.2700e-003	0.0220	0.0000	68.1689	68.1689	0.0221	0.0000	68.7201

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.9700e-003	0.5369	0.1078	2.1200e-003	0.0570	3.9200e-003	0.0610	0.0157	3.7500e-003	0.0194	0.0000	209.5310	209.5310	8.3400e-003	0.0332	219.6400
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2000e-004	4.4000e-004	5.8300e-003	2.0000e-005	1.8400e-003	1.0000e-005	1.8500e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.4730	1.4730	5.0000e-005	4.0000e-005	1.4867
Total	9.6900e-003	0.5373	0.1136	2.1400e-003	0.0589	3.9300e-003	0.0628	0.0162	3.7600e-003	0.0199	0.0000	211.0040	211.0040	8.3900e-003	0.0333	221.1267

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1848	1.6902	1.9087	3.1700e-003		0.0822	0.0822		0.0774	0.0774	0.0000	272.3706	272.3706	0.0648	0.0000	273.9904
Total	0.1848	1.6902	1.9087	3.1700e-003		0.0822	0.0822		0.0774	0.0774	0.0000	272.3706	272.3706	0.0648	0.0000	273.9904

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0328	1.2257	0.3695	4.7900e-003	0.1472	6.5300e-003	0.1537	0.0426	6.2500e-003	0.0488	0.0000	466.3625	466.3625	0.0115	0.0684	487.0422
Worker	0.2636	0.1630	2.1422	5.8300e-003	0.6748	3.6000e-003	0.6784	0.1795	3.3200e-003	0.1828	0.0000	541.3692	541.3692	0.0171	0.0155	546.4082
Total	0.2964	1.3887	2.5117	0.0106	0.8220	0.0101	0.8322	0.2220	9.5700e-003	0.2316	0.0000	1,007.7317	1,007.7317	0.0286	0.0839	1,033.4504

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0385	0.2626	2.0516	3.1700e-003		4.7900e-003	4.7900e-003		4.7900e-003	4.7900e-003	0.0000	272.3703	272.3703	0.0648	0.0000	273.9901
Total	0.0385	0.2626	2.0516	3.1700e-003		4.7900e-003	4.7900e-003		4.7900e-003	4.7900e-003	0.0000	272.3703	272.3703	0.0648	0.0000	273.9901

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0328	1.2257	0.3695	4.7900e-003	0.1472	6.5300e-003	0.1537	0.0426	6.2500e-003	0.0488	0.0000	466.3625	466.3625	0.0115	0.0684	487.0422
Worker	0.2636	0.1630	2.1422	5.8300e-003	0.6748	3.6000e-003	0.6784	0.1795	3.3200e-003	0.1828	0.0000	541.3692	541.3692	0.0171	0.0155	546.4082
Total	0.2964	1.3887	2.5117	0.0106	0.8220	0.0101	0.8322	0.2220	9.5700e-003	0.2316	0.0000	1,007.7317	1,007.7317	0.0286	0.0839	1,033.4504

Innovation Park PUD - Part 1 - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0350	1.3395	0.3992	5.2400e-003	0.1641	7.1700e-003	0.1713	0.0474	6.8600e-003	0.0543	0.0000	510.0697	510.0697	0.0125	0.0750	532.7340
Worker	0.2747	0.1618	2.2228	6.2900e-003	0.7524	3.8300e-003	0.7562	0.2001	3.5200e-003	0.2036	0.0000	588.5026	588.5026	0.0173	0.0160	593.7154
Total	0.3097	1.5013	2.6220	0.0115	0.9165	0.0110	0.9275	0.2475	0.0104	0.2579	0.0000	1,098.5723	1,098.5723	0.0298	0.0911	1,126.4495

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0429	0.2928	2.2873	3.5300e-003		5.3400e-003	5.3400e-003		5.3400e-003	5.3400e-003	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.0429	0.2928	2.2873	3.5300e-003		5.3400e-003	5.3400e-003		5.3400e-003	5.3400e-003	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0350	1.3395	0.3992	5.2400e-003	0.1641	7.1700e-003	0.1713	0.0474	6.8600e-003	0.0543	0.0000	510.0697	510.0697	0.0125	0.0750	532.7340
Worker	0.2747	0.1618	2.2228	6.2900e-003	0.7524	3.8300e-003	0.7562	0.2001	3.5200e-003	0.2036	0.0000	588.5026	588.5026	0.0173	0.0160	593.7154
Total	0.3097	1.5013	2.6220	0.0115	0.9165	0.0110	0.9275	0.2475	0.0104	0.2579	0.0000	1,098.5723	1,098.5723	0.0298	0.0911	1,126.4495

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0336	1.3072	0.3883	5.1100e-003	0.1635	7.0000e-003	0.1705	0.0472	6.7000e-003	0.0539	0.0000	497.8431	497.8431	0.0122	0.0733	520.0035
Worker	0.2570	0.1446	2.0713	6.0500e-003	0.7495	3.6400e-003	0.7531	0.1993	3.3500e-003	0.2027	0.0000	572.0784	572.0784	0.0157	0.0149	576.9213
Total	0.2906	1.4519	2.4596	0.0112	0.9130	0.0106	0.9236	0.2466	0.0101	0.2566	0.0000	1,069.9214	1,069.9214	0.0278	0.0883	1,096.9248

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0428	0.2916	2.2786	3.5200e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0428	0.2916	2.2786	3.5200e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0336	1.3072	0.3883	5.1100e-003	0.1635	7.0000e-003	0.1705	0.0472	6.7000e-003	0.0539	0.0000	497.8431	497.8431	0.0122	0.0733	520.0035
Worker	0.2570	0.1446	2.0713	6.0500e-003	0.7495	3.6400e-003	0.7531	0.1993	3.3500e-003	0.2027	0.0000	572.0784	572.0784	0.0157	0.0149	576.9213
Total	0.2906	1.4519	2.4596	0.0112	0.9130	0.0106	0.9236	0.2466	0.0101	0.2566	0.0000	1,069.9214	1,069.9214	0.0278	0.0883	1,096.9248

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0178	0.1621	0.2091	3.5000e-004		6.8600e-003	6.8600e-003		6.4500e-003	6.4500e-003	0.0000	30.1495	30.1495	7.0900e-003	0.0000	30.3267
Total	0.0178	0.1621	0.2091	3.5000e-004		6.8600e-003	6.8600e-003		6.4500e-003	6.4500e-003	0.0000	30.1495	30.1495	7.0900e-003	0.0000	30.3267

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2300e-003	0.1276	0.0379	5.0000e-004	0.0163	6.8000e-004	0.0170	4.7100e-003	6.5000e-004	5.3600e-003	0.0000	48.5957	48.5957	1.1800e-003	7.1700e-003	50.7629
Worker	0.0242	0.0131	0.1943	5.8000e-004	0.0747	3.5000e-004	0.0750	0.0199	3.2000e-004	0.0202	0.0000	55.6355	55.6355	1.4200e-003	1.4000e-003	56.0888
Total	0.0274	0.1406	0.2322	1.0800e-003	0.0909	1.0300e-003	0.0920	0.0246	9.7000e-004	0.0255	0.0000	104.2311	104.2311	2.6000e-003	8.5700e-003	106.8518

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.2600e-003	0.0291	0.2270	3.5000e-004		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	30.1495	30.1495	7.0900e-003	0.0000	30.3267
Total	4.2600e-003	0.0291	0.2270	3.5000e-004		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	30.1495	30.1495	7.0900e-003	0.0000	30.3267

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2300e-003	0.1276	0.0379	5.0000e-004	0.0163	6.8000e-004	0.0170	4.7100e-003	6.5000e-004	5.3600e-003	0.0000	48.5957	48.5957	1.1800e-003	7.1700e-003	50.7629
Worker	0.0242	0.0131	0.1943	5.8000e-004	0.0747	3.5000e-004	0.0750	0.0199	3.2000e-004	0.0202	0.0000	55.6355	55.6355	1.4200e-003	1.4000e-003	56.0888
Total	0.0274	0.1406	0.2322	1.0800e-003	0.0909	1.0300e-003	0.0920	0.0246	9.7000e-004	0.0255	0.0000	104.2311	104.2311	2.6000e-003	8.5700e-003	106.8518

Innovation Park PUD - Part 1 - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0243	0.2274	0.3863	6.0000e-004		0.0111	0.0111		0.0102	0.0102	0.0000	53.0510	53.0510	0.0172	0.0000	53.4800
Paving	0.0131					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0374	0.2274	0.3863	6.0000e-004		0.0111	0.0111		0.0102	0.0102	0.0000	53.0510	53.0510	0.0172	0.0000	53.4800

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.4000e-004	5.1000e-004	7.6000e-003	2.0000e-005	2.9200e-003	1.0000e-005	2.9300e-003	7.8000e-004	1.0000e-005	7.9000e-004	0.0000	2.1754	2.1754	6.0000e-005	5.0000e-005	2.1931
Total	9.4000e-004	5.1000e-004	7.6000e-003	2.0000e-005	2.9200e-003	1.0000e-005	2.9300e-003	7.8000e-004	1.0000e-005	7.9000e-004	0.0000	2.1754	2.1754	6.0000e-005	5.0000e-005	2.1931

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.4300e-003	0.0322	0.4583	6.0000e-004		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	53.0510	53.0510	0.0172	0.0000	53.4799
Paving	0.0131					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0205	0.0322	0.4583	6.0000e-004		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	53.0510	53.0510	0.0172	0.0000	53.4799

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.4000e-004	5.1000e-004	7.6000e-003	2.0000e-005	2.9200e-003	1.0000e-005	2.9300e-003	7.8000e-004	1.0000e-005	7.9000e-004	0.0000	2.1754	2.1754	6.0000e-005	5.0000e-005	2.1931
Total	9.4000e-004	5.1000e-004	7.6000e-003	2.0000e-005	2.9200e-003	1.0000e-005	2.9300e-003	7.8000e-004	1.0000e-005	7.9000e-004	0.0000	2.1754	2.1754	6.0000e-005	5.0000e-005	2.1931

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	6.1624					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5300e-003	0.0304	0.0479	8.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003	0.0000	6.7661	6.7661	3.7000e-004	0.0000	6.7754
Total	6.1669	0.0304	0.0479	8.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003	0.0000	6.7661	6.7661	3.7000e-004	0.0000	6.7754

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.8200e-003	5.3100e-003	0.0790	2.4000e-004	0.0304	1.4000e-004	0.0305	8.0800e-003	1.3000e-004	8.2000e-003	0.0000	22.6241	22.6241	5.8000e-004	5.7000e-004	22.8085
Total	9.8200e-003	5.3100e-003	0.0790	2.4000e-004	0.0304	1.4000e-004	0.0305	8.0800e-003	1.3000e-004	8.2000e-003	0.0000	22.6241	22.6241	5.8000e-004	5.7000e-004	22.8085

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	6.1624					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9000e-004	3.4100e-003	0.0486	8.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	6.7661	6.7661	3.7000e-004	0.0000	6.7753
Total	6.1632	3.4100e-003	0.0486	8.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	6.7661	6.7661	3.7000e-004	0.0000	6.7753

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.8200e-003	5.3100e-003	0.0790	2.4000e-004	0.0304	1.4000e-004	0.0305	8.0800e-003	1.3000e-004	8.2000e-003	0.0000	22.6241	22.6241	5.8000e-004	5.7000e-004	22.8085
Total	9.8200e-003	5.3100e-003	0.0790	2.4000e-004	0.0304	1.4000e-004	0.0305	8.0800e-003	1.3000e-004	8.2000e-003	0.0000	22.6241	22.6241	5.8000e-004	5.7000e-004	22.8085

Innovation Park PUD - Part 2 - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Innovation Park PUD - Part 2

Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	91.50	1000sqft	1.83	91,476.00	0
Elementary School	65.30	1000sqft	1.50	65,340.00	0
General Light Industry	9.30	1000sqft	0.43	9,256.50	0
Parking Lot	435.60	1000sqft	10.00	435,600.00	0
City Park	1.80	Acre	1.80	78,408.00	0
Health Club	114.30	1000sqft	2.63	114,345.00	0
Hotel	38.00	Room	0.94	54,450.00	0
Apartments Mid Rise	424.00	Dwelling Unit	5.92	433,759.00	1132
Condo/townhouse	119.00	Dwelling Unit	4.58	118,500.00	318
Single Family Housing	77.00	Dwelling Unit	6.40	138,150.00	206
Strip Mall	49.50	1000sqft	0.96	49,549.50	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2030
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	357.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - One quarter build out, construction only

Land Use - 1/4 of land use

Innovation Park PUD - Part 2 - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Construction Phase - Adjusted for 4 year schedule

Trips and VMT -

Demolition -

Grading - Acre graded = site acreage

Architectural Coating -

Woodstoves -

Area Coating -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMPs

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	55.00	53.00
tblConstructionPhase	NumDays	740.00	784.00
tblConstructionPhase	NumDays	75.00	78.00
tblConstructionPhase	NumDays	55.00	53.00
tblConstructionPhase	NumDays	30.00	28.00
tblGrading	AcresOfGrading	234.00	37.00
tblGrading	AcresOfGrading	42.00	0.00
tblGrading	MaterialExported	0.00	56,930.00
tblGrading	MaterialImported	0.00	111,420.00
tblLandUse	LandUseSquareFeet	91,500.00	91,476.00
tblLandUse	LandUseSquareFeet	65,300.00	65,340.00
tblLandUse	LandUseSquareFeet	9,300.00	9,256.50
tblLandUse	LandUseSquareFeet	114,300.00	114,345.00
tblLandUse	LandUseSquareFeet	55,176.00	54,450.00
tblLandUse	LandUseSquareFeet	424,000.00	433,759.00
tblLandUse	LandUseSquareFeet	119,000.00	118,500.00
tblLandUse	LandUseSquareFeet	138,600.00	138,150.00
tblLandUse	LandUseSquareFeet	49,500.00	49,549.50

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblLandUse	LotAcreage	2.10	1.83
tblLandUse	LotAcreage	0.21	0.43
tblLandUse	LotAcreage	2.62	2.63
tblLandUse	LotAcreage	1.27	0.94
tblLandUse	LotAcreage	11.16	5.92
tblLandUse	LotAcreage	7.44	4.58
tblLandUse	LotAcreage	25.00	6.40
tblLandUse	LotAcreage	1.14	0.96

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.1873	2.7306	1.7198	7.8300e-003	0.7023	0.0756	0.7779	0.2881	0.0701	0.3582	0.0000	739.0144	739.0144	0.1048	0.0721	763.1332
2027	0.4411	3.5257	4.3310	0.0154	0.9947	0.0886	1.0833	0.2839	0.0831	0.3670	0.0000	1,433.1390	1,433.1390	0.1156	0.1056	1,467.4886
2028	0.4232	2.9620	4.1922	0.0138	0.9094	0.0781	0.9875	0.2456	0.0735	0.3192	0.0000	1,272.1535	1,272.1535	0.0942	0.0817	1,298.8525
2029	0.4118	2.9466	4.1271	0.0136	0.9129	0.0781	0.9910	0.2466	0.0735	0.3201	0.0000	1,254.8212	1,254.8212	0.0935	0.0802	1,281.0679
2030	6.2632	0.4478	0.9439	2.4400e-003	0.1242	0.0122	0.1365	0.0334	0.0122	0.0456	0.0000	219.0620	219.0620	7.2300e-003	8.3600e-003	221.7338
Maximum	6.2632	3.5257	4.3310	0.0154	0.9947	0.0886	1.0833	0.2881	0.0831	0.3670	0.0000	1,433.1390	1,433.1390	0.1156	0.1056	1,467.4886

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.0606	1.3104	2.0377	7.8300e-003	0.3930	0.0137	0.4067	0.1508	0.0133	0.1641	0.0000	739.0141	739.0141	0.1048	0.0721	763.1329
2027	0.2922	2.0172	4.5741	0.0154	0.9346	0.0185	0.9532	0.2594	0.0179	0.2773	0.0000	1,433.1386	1,433.1386	0.1156	0.1056	1,467.4882
2028	0.2880	1.6314	4.3711	0.0138	0.9094	0.0148	0.9243	0.2456	0.0143	0.2599	0.0000	1,272.1532	1,272.1532	0.0942	0.0817	1,298.8522
2029	0.2762	1.6109	4.3066	0.0136	0.9129	0.0146	0.9275	0.2466	0.0141	0.2606	0.0000	1,254.8209	1,254.8209	0.0935	0.0802	1,281.0676
2030	6.2185	0.1979	1.0001	2.4400e-003	0.1242	2.6300e-003	0.1269	0.0334	2.5800e-003	0.0360	0.0000	219.0618	219.0618	7.2300e-003	8.3600e-003	221.7337
Maximum	6.2185	2.0172	4.5741	0.0154	0.9346	0.0185	0.9532	0.2594	0.0179	0.2773	0.0000	1,433.1386	1,433.1386	0.1156	0.1056	1,467.4882

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	7.65	46.34	-6.37	0.00	10.14	80.68	16.04	14.74	80.09	29.22	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2026	9-30-2026	0.8207	0.1519
2	10-1-2026	12-31-2026	2.0628	1.2108
3	1-1-2027	3-31-2027	1.3972	0.8465
4	4-1-2027	6-30-2027	0.8487	0.4823
5	7-1-2027	9-30-2027	0.8581	0.4876
6	10-1-2027	12-31-2027	0.8794	0.5090
7	1-1-2028	3-31-2028	0.8587	0.4923

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8	4-1-2028	6-30-2028	0.8379	0.4715
9	7-1-2028	9-30-2028	0.8472	0.4767
10	10-1-2028	12-31-2028	0.8682	0.4977
11	1-1-2029	3-31-2029	0.8391	0.4767
12	4-1-2029	6-30-2029	0.8279	0.4615
13	7-1-2029	9-30-2029	0.8370	0.4666
14	10-1-2029	12-31-2029	0.8578	0.4873
15	1-1-2030	3-31-2030	0.4473	0.2262
16	4-1-2030	6-30-2030	5.9116	5.8433
17	7-1-2030	9-30-2030	0.2507	0.2498
		Highest	5.9116	5.8433

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.0345	0.0736	6.3872	3.4000e-004		0.0355	0.0355		0.0355	0.0355	0.0000	10.4642	10.4642	0.0100	0.0000	10.7143
Energy	0.0916	0.8087	0.5253	4.9900e-003		0.0633	0.0633		0.0633	0.0633	0.0000	2,144.8298	2,144.8298	0.1316	0.0305	2,157.1938
Mobile	3.7445	4.0796	31.5274	0.0633	7.7196	0.0454	7.7650	2.0627	0.0424	2.1050	0.0000	5,869.0391	5,869.0391	0.4406	0.3120	5,973.0157
Waste						0.0000	0.0000		0.0000	0.0000	249.6566	0.0000	249.6566	14.7543	0.0000	618.5136
Water						0.0000	0.0000		0.0000	0.0000	25.5066	86.1441	111.6506	0.0957	0.0564	130.8604
Total	8.8706	4.9619	38.4400	0.0687	7.7196	0.1441	7.8637	2.0627	0.1411	2.2038	275.1631	8,110.4772	8,385.6403	15.4322	0.3988	8,890.2978

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.0345	0.0736	6.3872	3.4000e-004		0.0355	0.0355		0.0355	0.0355	0.0000	10.4642	10.4642	0.0100	0.0000	10.7143
Energy	0.0916	0.8087	0.5253	4.9900e-003		0.0633	0.0633		0.0633	0.0633	0.0000	2,144.8298	2,144.8298	0.1316	0.0305	2,157.1938
Mobile	3.7445	4.0796	31.5274	0.0633	7.7196	0.0454	7.7650	2.0627	0.0424	2.1050	0.0000	5,869.0391	5,869.0391	0.4406	0.3120	5,973.0157
Waste						0.0000	0.0000		0.0000	0.0000	249.6566	0.0000	249.6566	14.7543	0.0000	618.5136
Water						0.0000	0.0000		0.0000	0.0000	25.5066	86.1441	111.6506	0.0957	0.0564	130.8604
Total	8.8706	4.9619	38.4400	0.0687	7.7196	0.1441	7.8637	2.0627	0.1411	2.2038	275.1631	8,110.4772	8,385.6403	15.4322	0.3988	8,890.2978

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/1/2026	9/8/2026	5	50	
2	Site Preparation	Site Preparation	9/9/2026	10/16/2026	5	28	
3	Grading	Grading	10/19/2026	2/3/2027	5	78	

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4	Building Construction	Building Construction	2/4/2027	2/5/2030	5	784
5	Paving	Paving	2/6/2030	4/19/2030	5	53
6	Architectural Coating	Architectural Coating	4/22/2030	7/3/2030	5	53

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 37

Acres of Paving: 10

Residential Indoor: 1,398,078; Residential Outdoor: 466,026; Non-Residential Indoor: 576,626; Non-Residential Outdoor: 192,209; Striped Parking Area: 26,136 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36

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Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	973.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	21,044.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	782.00	214.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	156.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

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3.2 Demolition - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1098	0.0000	0.1098	0.0166	0.0000	0.0166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0523	0.4799	0.4855	9.7000e-004		0.0213	0.0213		0.0198	0.0198	0.0000	84.9941	84.9941	0.0237	0.0000	85.5875
Total	0.0523	0.4799	0.4855	9.7000e-004	0.1098	0.0213	0.1311	0.0166	0.0198	0.0364	0.0000	84.9941	84.9941	0.0237	0.0000	85.5875

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2000e-003	0.0715	0.0157	2.9000e-004	8.2200e-003	5.3000e-004	8.7600e-003	2.2600e-003	5.1000e-004	2.7700e-003	0.0000	28.4135	28.4135	1.1400e-003	4.5100e-003	29.7848
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	4.8000e-004	7.1100e-003	2.0000e-005	2.7500e-003	1.0000e-005	2.7700e-003	7.3000e-004	1.0000e-005	7.4000e-004	0.0000	1.9749	1.9749	5.0000e-005	5.0000e-005	1.9916
Total	2.0900e-003	0.0719	0.0228	3.1000e-004	0.0110	5.4000e-004	0.0115	2.9900e-003	5.2000e-004	3.5100e-003	0.0000	30.3884	30.3884	1.1900e-003	4.5600e-003	31.7764

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3.2 Demolition - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0494	0.0000	0.0494	7.4800e-003	0.0000	7.4800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0116	0.0501	0.5820	9.7000e-004		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003	0.0000	84.9940	84.9940	0.0237	0.0000	85.5874
Total	0.0116	0.0501	0.5820	9.7000e-004	0.0494	1.5400e-003	0.0510	7.4800e-003	1.5400e-003	9.0200e-003	0.0000	84.9940	84.9940	0.0237	0.0000	85.5874

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2000e-003	0.0715	0.0157	2.9000e-004	8.2200e-003	5.3000e-004	8.7600e-003	2.2600e-003	5.1000e-004	2.7700e-003	0.0000	28.4135	28.4135	1.1400e-003	4.5100e-003	29.7848
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	4.8000e-004	7.1100e-003	2.0000e-005	2.7500e-003	1.0000e-005	2.7700e-003	7.3000e-004	1.0000e-005	7.4000e-004	0.0000	1.9749	1.9749	5.0000e-005	5.0000e-005	1.9916
Total	2.0900e-003	0.0719	0.0228	3.1000e-004	0.0110	5.4000e-004	0.0115	2.9900e-003	5.2000e-004	3.5100e-003	0.0000	30.3884	30.3884	1.1900e-003	4.5600e-003	31.7764

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3.3 Site Preparation - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2529	0.0000	0.2529	0.1390	0.0000	0.1390	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0346	0.3533	0.2508	5.3000e-004		0.0152	0.0152		0.0140	0.0140	0.0000	46.8538	46.8538	0.0152	0.0000	47.2326
Total	0.0346	0.3533	0.2508	5.3000e-004	0.2529	0.0152	0.2682	0.1390	0.0140	0.1530	0.0000	46.8538	46.8538	0.0152	0.0000	47.2326

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	3.2000e-004	4.7800e-003	1.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.3271	1.3271	4.0000e-005	3.0000e-005	1.3384
Total	6.0000e-004	3.2000e-004	4.7800e-003	1.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.3271	1.3271	4.0000e-005	3.0000e-005	1.3384

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1138	0.0000	0.1138	0.0626	0.0000	0.0626	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5200e-003	0.0282	0.2922	5.3000e-004		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	46.8537	46.8537	0.0152	0.0000	47.2326
Total	6.5200e-003	0.0282	0.2922	5.3000e-004	0.1138	8.7000e-004	0.1147	0.0626	8.7000e-004	0.0634	0.0000	46.8537	46.8537	0.0152	0.0000	47.2326

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	3.2000e-004	4.7800e-003	1.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.3271	1.3271	4.0000e-005	3.0000e-005	1.3384
Total	6.0000e-004	3.2000e-004	4.7800e-003	1.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.3271	1.3271	4.0000e-005	3.0000e-005	1.3384

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3.4 Grading - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1996	0.0000	0.1996	0.0941	0.0000	0.0941	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0783	0.7545	0.7109	1.6800e-003		0.0305	0.0305		0.0281	0.0281	0.0000	147.1668	147.1668	0.0476	0.0000	148.3567
Total	0.0783	0.7545	0.7109	1.6800e-003	0.1996	0.0305	0.2302	0.0941	0.0281	0.1222	0.0000	147.1668	147.1668	0.0476	0.0000	148.3567

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0180	1.0700	0.2348	4.2900e-003	0.1231	7.9900e-003	0.1311	0.0338	7.6400e-003	0.0415	0.0000	425.4404	425.4404	0.0170	0.0675	445.9737
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2800e-003	6.9000e-004	0.0102	3.0000e-005	3.9700e-003	2.0000e-005	3.9800e-003	1.0500e-003	2.0000e-005	1.0700e-003	0.0000	2.8439	2.8439	8.0000e-005	7.0000e-005	2.8680
Total	0.0193	1.0707	0.2450	4.3200e-003	0.1271	8.0100e-003	0.1351	0.0349	7.6600e-003	0.0425	0.0000	428.2842	428.2842	0.0171	0.0676	448.8417

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3.4 Grading - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0898	0.0000	0.0898	0.0424	0.0000	0.0424	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0206	0.0891	0.8910	1.6800e-003		2.7400e-003	2.7400e-003		2.7400e-003	2.7400e-003	0.0000	147.1666	147.1666	0.0476	0.0000	148.3565
Total	0.0206	0.0891	0.8910	1.6800e-003	0.0898	2.7400e-003	0.0926	0.0424	2.7400e-003	0.0451	0.0000	147.1666	147.1666	0.0476	0.0000	148.3565

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0180	1.0700	0.2348	4.2900e-003	0.1231	7.9900e-003	0.1311	0.0338	7.6400e-003	0.0415	0.0000	425.4404	425.4404	0.0170	0.0675	445.9737
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2800e-003	6.9000e-004	0.0102	3.0000e-005	3.9700e-003	2.0000e-005	3.9800e-003	1.0500e-003	2.0000e-005	1.0700e-003	0.0000	2.8439	2.8439	8.0000e-005	7.0000e-005	2.8680
Total	0.0193	1.0707	0.2450	4.3200e-003	0.1271	8.0100e-003	0.1351	0.0349	7.6600e-003	0.0425	0.0000	428.2842	428.2842	0.0171	0.0676	448.8417

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3.4 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1093	0.0000	0.1093	0.0445	0.0000	0.0445	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0348	0.3353	0.3160	7.4000e-004		0.0136	0.0136		0.0125	0.0125	0.0000	65.4075	65.4075	0.0212	0.0000	65.9363
Total	0.0348	0.3353	0.3160	7.4000e-004	0.1093	0.0136	0.1229	0.0445	0.0125	0.0570	0.0000	65.4075	65.4075	0.0212	0.0000	65.9363

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.8200e-003	0.4633	0.1044	1.8600e-003	0.0547	3.4700e-003	0.0582	0.0150	3.3200e-003	0.0183	0.0000	184.8035	184.8035	7.3900e-003	0.0293	193.7230
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	2.8000e-004	4.3000e-003	1.0000e-005	1.7600e-003	1.0000e-005	1.7700e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.2261	1.2261	3.0000e-005	3.0000e-005	1.2362
Total	8.3600e-003	0.4636	0.1087	1.8700e-003	0.0565	3.4800e-003	0.0599	0.0155	3.3300e-003	0.0188	0.0000	186.0296	186.0296	7.4200e-003	0.0293	194.9592

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3.4 Grading - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0492	0.0000	0.0492	0.0200	0.0000	0.0200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.1400e-003	0.0396	0.3960	7.4000e-004		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	65.4074	65.4074	0.0212	0.0000	65.9362
Total	9.1400e-003	0.0396	0.3960	7.4000e-004	0.0492	1.2200e-003	0.0504	0.0200	1.2200e-003	0.0212	0.0000	65.4074	65.4074	0.0212	0.0000	65.9362

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.8200e-003	0.4633	0.1044	1.8600e-003	0.0547	3.4700e-003	0.0582	0.0150	3.3200e-003	0.0183	0.0000	184.8035	184.8035	7.3900e-003	0.0293	193.7230
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	2.8000e-004	4.3000e-003	1.0000e-005	1.7600e-003	1.0000e-005	1.7700e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.2261	1.2261	3.0000e-005	3.0000e-005	1.2362
Total	8.3600e-003	0.4636	0.1087	1.8700e-003	0.0565	3.4800e-003	0.0599	0.0155	3.3300e-003	0.0188	0.0000	186.0296	186.0296	7.4200e-003	0.0293	194.9592

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1620	1.4777	1.9060	3.1900e-003		0.0625	0.0625		0.0588	0.0588	0.0000	274.8246	274.8246	0.0646	0.0000	276.4396
Total	0.1620	1.4777	1.9060	3.1900e-003		0.0625	0.0625		0.0588	0.0588	0.0000	274.8246	274.8246	0.0646	0.0000	276.4396

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0285	1.1408	0.3396	4.4500e-003	0.1484	6.0600e-003	0.1544	0.0429	5.7900e-003	0.0487	0.0000	433.4714	433.4714	0.0105	0.0641	452.8378
Worker	0.2074	0.1084	1.6607	5.1600e-003	0.6806	2.9500e-003	0.6835	0.1810	2.7200e-003	0.1837	0.0000	473.4060	473.4060	0.0119	0.0121	477.3157
Total	0.2359	1.2492	2.0004	9.6100e-003	0.8290	9.0100e-003	0.8380	0.2239	8.5100e-003	0.2324	0.0000	906.8774	906.8774	0.0224	0.0762	930.1534

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0389	0.2648	2.0690	3.1900e-003		4.8300e-003	4.8300e-003		4.8300e-003	4.8300e-003	0.0000	274.8242	274.8242	0.0646	0.0000	276.4393
Total	0.0389	0.2648	2.0690	3.1900e-003		4.8300e-003	4.8300e-003		4.8300e-003	4.8300e-003	0.0000	274.8242	274.8242	0.0646	0.0000	276.4393

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0285	1.1408	0.3396	4.4500e-003	0.1484	6.0600e-003	0.1544	0.0429	5.7900e-003	0.0487	0.0000	433.4714	433.4714	0.0105	0.0641	452.8378
Worker	0.2074	0.1084	1.6607	5.1600e-003	0.6806	2.9500e-003	0.6835	0.1810	2.7200e-003	0.1837	0.0000	473.4060	473.4060	0.0119	0.0121	477.3157
Total	0.2359	1.2492	2.0004	9.6100e-003	0.8290	9.0100e-003	0.8380	0.2239	8.5100e-003	0.2324	0.0000	906.8774	906.8774	0.0224	0.0762	930.1534

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0303	1.2313	0.3673	4.7800e-003	0.1628	6.5000e-003	0.1693	0.0471	6.2200e-003	0.0533	0.0000	465.7735	465.7735	0.0113	0.0690	486.6156
Worker	0.2151	0.1096	1.7339	5.5100e-003	0.7466	3.0400e-003	0.7497	0.1986	2.8000e-003	0.2014	0.0000	504.8848	504.8848	0.0120	0.0127	508.9698
Total	0.2454	1.3409	2.1012	0.0103	0.9094	9.5400e-003	0.9190	0.2456	9.0200e-003	0.2546	0.0000	970.6582	970.6582	0.0234	0.0817	995.5854

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0426	0.2905	2.2698	3.5000e-003		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667
Total	0.0426	0.2905	2.2698	3.5000e-003		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0303	1.2313	0.3673	4.7800e-003	0.1628	6.5000e-003	0.1693	0.0471	6.2200e-003	0.0533	0.0000	465.7735	465.7735	0.0113	0.0690	486.6156
Worker	0.2151	0.1096	1.7339	5.5100e-003	0.7466	3.0400e-003	0.7497	0.1986	2.8000e-003	0.2014	0.0000	504.8848	504.8848	0.0120	0.0127	508.9698
Total	0.2454	1.3409	2.1012	0.0103	0.9094	9.5400e-003	0.9190	0.2456	9.0200e-003	0.2546	0.0000	970.6582	970.6582	0.0234	0.0817	995.5854

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0296	1.2172	0.3641	4.7000e-003	0.1634	6.3900e-003	0.1698	0.0472	6.1200e-003	0.0533	0.0000	458.3912	458.3912	0.0112	0.0680	478.9319
Worker	0.2038	0.1021	1.6639	5.3800e-003	0.7495	2.8500e-003	0.7524	0.1993	2.6300e-003	0.2020	0.0000	493.7752	493.7752	0.0112	0.0122	497.7026
Total	0.2334	1.3193	2.0280	0.0101	0.9129	9.2400e-003	0.9221	0.2466	8.7500e-003	0.2553	0.0000	952.1664	952.1664	0.0223	0.0802	976.6344

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0428	0.2916	2.2786	3.5200e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0428	0.2916	2.2786	3.5200e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0296	1.2172	0.3641	4.7000e-003	0.1634	6.3900e-003	0.1698	0.0472	6.1200e-003	0.0533	0.0000	458.3912	458.3912	0.0112	0.0680	478.9319
Worker	0.2038	0.1021	1.6639	5.3800e-003	0.7495	2.8500e-003	0.7524	0.1993	2.6300e-003	0.2020	0.0000	493.7752	493.7752	0.0112	0.0122	497.7026
Total	0.2334	1.3193	2.0280	0.0101	0.9129	9.2400e-003	0.9221	0.2466	8.7500e-003	0.2553	0.0000	952.1664	952.1664	0.0223	0.0802	976.6344

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0170	0.1032	0.2100	4.0000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	34.1719	34.1719	1.3700e-003	0.0000	34.2062
Total	0.0170	0.1032	0.2100	4.0000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	34.1719	34.1719	1.3700e-003	0.0000	34.2062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8700e-003	0.1195	0.0359	4.6000e-004	0.0163	6.2000e-004	0.0169	4.7000e-003	6.0000e-004	5.3000e-003	0.0000	44.8240	44.8240	1.0900e-003	6.6600e-003	46.8353
Worker	0.0192	9.5000e-003	0.1593	5.2000e-004	0.0747	2.7000e-004	0.0749	0.0199	2.4000e-004	0.0201	0.0000	48.0278	48.0278	1.0300e-003	1.1800e-003	48.4045
Total	0.0220	0.1290	0.1952	9.8000e-004	0.0909	8.9000e-004	0.0918	0.0246	8.4000e-004	0.0254	0.0000	92.8518	92.8518	2.1200e-003	7.8400e-003	95.2398

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.2600e-003	0.0291	0.2270	4.0000e-004		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	34.1719	34.1719	1.3700e-003	0.0000	34.2062
Total	4.2600e-003	0.0291	0.2270	4.0000e-004		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	34.1719	34.1719	1.3700e-003	0.0000	34.2062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8700e-003	0.1195	0.0359	4.6000e-004	0.0163	6.2000e-004	0.0169	4.7000e-003	6.0000e-004	5.3000e-003	0.0000	44.8240	44.8240	1.0900e-003	6.6600e-003	46.8353
Worker	0.0192	9.5000e-003	0.1593	5.2000e-004	0.0747	2.7000e-004	0.0749	0.0199	2.4000e-004	0.0201	0.0000	48.0278	48.0278	1.0300e-003	1.1800e-003	48.4045
Total	0.0220	0.1290	0.1952	9.8000e-004	0.0909	8.9000e-004	0.0918	0.0246	8.4000e-004	0.0254	0.0000	92.8518	92.8518	2.1200e-003	7.8400e-003	95.2398

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0367	0.1887	0.4200	7.4000e-004		8.7600e-003	8.7600e-003		8.7600e-003	8.7600e-003	0.0000	63.8637	63.8637	2.9900e-003	0.0000	63.9386
Paving	0.0131					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0498	0.1887	0.4200	7.4000e-004		8.7600e-003	8.7600e-003		8.7600e-003	8.7600e-003	0.0000	63.8637	63.8637	2.9900e-003	0.0000	63.9386

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.5000e-004	3.7000e-004	6.2300e-003	2.0000e-005	2.9200e-003	1.0000e-005	2.9300e-003	7.8000e-004	1.0000e-005	7.9000e-004	0.0000	1.8779	1.8779	4.0000e-005	5.0000e-005	1.8927
Total	7.5000e-004	3.7000e-004	6.2300e-003	2.0000e-005	2.9200e-003	1.0000e-005	2.9300e-003	7.8000e-004	1.0000e-005	7.9000e-004	0.0000	1.8779	1.8779	4.0000e-005	5.0000e-005	1.8927

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.4300e-003	0.0322	0.4583	7.4000e-004		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	63.8636	63.8636	2.9900e-003	0.0000	63.9385
Paving	0.0131					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0205	0.0322	0.4583	7.4000e-004		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	63.8636	63.8636	2.9900e-003	0.0000	63.9385

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.5000e-004	3.7000e-004	6.2300e-003	2.0000e-005	2.9200e-003	1.0000e-005	2.9300e-003	7.8000e-004	1.0000e-005	7.9000e-004	0.0000	1.8779	1.8779	4.0000e-005	5.0000e-005	1.8927
Total	7.5000e-004	3.7000e-004	6.2300e-003	2.0000e-005	2.9200e-003	1.0000e-005	2.9300e-003	7.8000e-004	1.0000e-005	7.9000e-004	0.0000	1.8779	1.8779	4.0000e-005	5.0000e-005	1.8927

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	6.1624					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4600e-003	0.0227	0.0476	8.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	6.7661	6.7661	2.7000e-004	0.0000	6.7730
Total	6.1659	0.0227	0.0476	8.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	6.7661	6.7661	2.7000e-004	0.0000	6.7730

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7900e-003	3.8600e-003	0.0648	2.1000e-004	0.0304	1.1000e-004	0.0305	8.0800e-003	1.0000e-004	8.1700e-003	0.0000	19.5305	19.5305	4.2000e-004	4.8000e-004	19.6837
Total	7.7900e-003	3.8600e-003	0.0648	2.1000e-004	0.0304	1.1000e-004	0.0305	8.0800e-003	1.0000e-004	8.1700e-003	0.0000	19.5305	19.5305	4.2000e-004	4.8000e-004	19.6837

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	6.1624					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9000e-004	3.4100e-003	0.0486	8.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	6.7661	6.7661	2.7000e-004	0.0000	6.7730
Total	6.1632	3.4100e-003	0.0486	8.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	6.7661	6.7661	2.7000e-004	0.0000	6.7730

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7900e-003	3.8600e-003	0.0648	2.1000e-004	0.0304	1.1000e-004	0.0305	8.0800e-003	1.0000e-004	8.1700e-003	0.0000	19.5305	19.5305	4.2000e-004	4.8000e-004	19.6837
Total	7.7900e-003	3.8600e-003	0.0648	2.1000e-004	0.0304	1.1000e-004	0.0305	8.0800e-003	1.0000e-004	8.1700e-003	0.0000	19.5305	19.5305	4.2000e-004	4.8000e-004	19.6837

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Innovation Park PUD - Part 3
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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	91.50	1000sqft	1.83	91,476.00	0
Elementary School	65.30	1000sqft	1.50	65,340.00	0
General Light Industry	9.30	1000sqft	0.43	9,256.50	0
Parking Lot	435.60	1000sqft	10.00	435,600.00	0
City Park	1.80	Acre	1.80	78,408.00	0
Health Club	114.30	1000sqft	2.63	114,345.00	0
Hotel	38.00	Room	0.94	54,450.00	0
Apartments Mid Rise	424.00	Dwelling Unit	5.92	433,759.00	1132
Condo/townhouse	119.00	Dwelling Unit	4.58	118,500.00	318
Single Family Housing	77.00	Dwelling Unit	6.40	138,150.00	206
Strip Mall	49.50	1000sqft	0.96	49,549.50	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2034
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	357.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - One quarter build out, construction only

Land Use - 1/4 of land use

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Construction Phase - Adjusted for 4 year schedule

Trips and VMT -

Demolition -

Grading - Acre graded = site acreage

Architectural Coating -

Woodstoves -

Area Coating -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMPs

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	55.00	53.00
tblConstructionPhase	NumDays	740.00	784.00
tblConstructionPhase	NumDays	75.00	78.00
tblConstructionPhase	NumDays	55.00	53.00
tblConstructionPhase	NumDays	30.00	28.00
tblGrading	AcresOfGrading	234.00	37.00
tblGrading	AcresOfGrading	42.00	0.00
tblGrading	MaterialExported	0.00	56,930.00
tblGrading	MaterialImported	0.00	111,420.00
tblLandUse	LandUseSquareFeet	91,500.00	91,476.00
tblLandUse	LandUseSquareFeet	65,300.00	65,340.00
tblLandUse	LandUseSquareFeet	9,300.00	9,256.50
tblLandUse	LandUseSquareFeet	114,300.00	114,345.00
tblLandUse	LandUseSquareFeet	55,176.00	54,450.00
tblLandUse	LandUseSquareFeet	424,000.00	433,759.00
tblLandUse	LandUseSquareFeet	119,000.00	118,500.00
tblLandUse	LandUseSquareFeet	138,600.00	138,150.00
tblLandUse	LandUseSquareFeet	49,500.00	49,549.50

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblLandUse	LotAcreage	2.10	1.83
tblLandUse	LotAcreage	0.21	0.43
tblLandUse	LotAcreage	2.62	2.63
tblLandUse	LotAcreage	1.27	0.94
tblLandUse	LotAcreage	11.16	5.92
tblLandUse	LotAcreage	7.44	4.58
tblLandUse	LotAcreage	25.00	6.40
tblLandUse	LotAcreage	1.14	0.96

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	0.1944	1.8526	1.5922	7.9500e-003	0.7022	0.0359	0.7381	0.2881	0.0356	0.3237	0.0000	753.6934	753.6934	0.0311	0.0662	774.1861
2031	0.3921	2.6904	4.0249	0.0150	0.9947	0.0344	1.0291	0.2838	0.0339	0.3177	0.0000	1,391.5467	1,391.5467	0.0412	0.0972	1,421.5409
2032	0.3706	2.3014	3.9737	0.0136	0.9164	0.0278	0.9442	0.2475	0.0274	0.2749	0.0000	1,246.2130	1,246.2130	0.0336	0.0764	1,269.8045
2033	0.3585	2.2694	3.9007	0.0134	0.9094	0.0274	0.9367	0.2456	0.0269	0.2726	0.0000	1,222.8430	1,222.8430	0.0326	0.0747	1,245.9294
2034	6.2561	0.4318	0.9019	2.3100e-003	0.1207	0.0120	0.1327	0.0325	0.0120	0.0444	0.0000	206.8914	206.8914	6.7000e-003	7.5700e-003	209.3160
Maximum	6.2561	2.6904	4.0249	0.0150	0.9947	0.0359	1.0291	0.2881	0.0356	0.3237	0.0000	1,391.5467	1,391.5467	0.0412	0.0972	1,421.5409

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	0.0585	1.2104	2.0347	7.9500e-003	0.3929	0.0130	0.4059	0.1507	0.0126	0.1634	0.0000	753.6930	753.6930	0.0311	0.0662	774.1857
2031	0.2456	1.8884	4.2991	0.0150	0.9345	0.0171	0.9516	0.2594	0.0165	0.2759	0.0000	1,391.5462	1,391.5462	0.0412	0.0972	1,421.5404
2032	0.2421	1.5547	4.1444	0.0136	0.9164	0.0138	0.9301	0.2475	0.0133	0.2608	0.0000	1,246.2126	1,246.2126	0.0336	0.0764	1,269.8041
2033	0.2309	1.5284	4.0701	0.0134	0.9094	0.0134	0.9228	0.2456	0.0130	0.2586	0.0000	1,222.8425	1,222.8425	0.0326	0.0747	1,245.9290
2034	6.2119	0.1848	0.9575	2.3100e-003	0.1207	2.4600e-003	0.1232	0.0325	2.4100e-003	0.0349	0.0000	206.8913	206.8913	6.7000e-003	7.5700e-003	209.3159
Maximum	6.2119	1.8884	4.2991	0.0150	0.9345	0.0171	0.9516	0.2594	0.0165	0.2759	0.0000	1,391.5462	1,391.5462	0.0412	0.0972	1,421.5404

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	7.70	33.30	-7.73	0.00	10.14	56.60	11.83	14.75	57.37	19.44	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2030	9-30-2030	0.4769	0.1419
2	10-1-2030	12-31-2030	1.5782	1.1457
3	1-1-2031	3-31-2031	1.0759	0.7836
4	4-1-2031	6-30-2031	0.6611	0.4439
5	7-1-2031	9-30-2031	0.6683	0.4488
6	10-1-2031	12-31-2031	0.6889	0.4694
7	1-1-2032	3-31-2032	0.6741	0.4570

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8	4-1-2032	6-30-2032	0.6538	0.4366
9	7-1-2032	9-30-2032	0.6610	0.4414
10	10-1-2032	12-31-2032	0.6815	0.4620
11	1-1-2033	3-31-2033	0.6606	0.4459
12	4-1-2033	6-30-2033	0.6476	0.4305
13	7-1-2033	9-30-2033	0.6547	0.4352
14	10-1-2033	12-31-2033	0.6753	0.4558
15	1-1-2034	3-31-2034	0.4217	0.2054
16	4-1-2034	6-30-2034	6.0762	6.0074
17	7-1-2034	9-30-2034	0.2506	0.2497
		Highest	6.0762	6.0074

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.0345	0.0736	6.3872	3.4000e-004		0.0355	0.0355		0.0355	0.0355	0.0000	10.4642	10.4642	0.0100	0.0000	10.7143
Energy	0.0916	0.8087	0.5253	4.9900e-003		0.0633	0.0633		0.0633	0.0633	0.0000	2,144.8298	2,144.8298	0.1316	0.0305	2,157.1938
Mobile	3.2862	3.5777	29.0115	0.0585	7.7154	0.0366	7.7519	2.0609	0.0342	2.0950	0.0000	5,425.7211	5,425.7211	0.4022	0.2892	5,521.9461
Waste						0.0000	0.0000		0.0000	0.0000	249.6566	0.0000	249.6566	14.7543	0.0000	618.5136
Water						0.0000	0.0000		0.0000	0.0000	25.5066	86.1441	111.6506	0.0957	0.0564	130.8604
Total	8.4123	4.4599	35.9241	0.0638	7.7154	0.1353	7.8507	2.0609	0.1329	2.1938	275.1631	7,667.1592	7,942.3223	15.3938	0.3760	8,439.2281

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.0345	0.0736	6.3872	3.4000e-004		0.0355	0.0355		0.0355	0.0355	0.0000	10.4642	10.4642	0.0100	0.0000	10.7143
Energy	0.0916	0.8087	0.5253	4.9900e-003		0.0633	0.0633		0.0633	0.0633	0.0000	2,144.8298	2,144.8298	0.1316	0.0305	2,157.1938
Mobile	3.2862	3.5777	29.0115	0.0585	7.7154	0.0366	7.7519	2.0609	0.0342	2.0950	0.0000	5,425.7211	5,425.7211	0.4022	0.2892	5,521.9461
Waste						0.0000	0.0000		0.0000	0.0000	249.6566	0.0000	249.6566	14.7543	0.0000	618.5136
Water						0.0000	0.0000		0.0000	0.0000	25.5066	86.1441	111.6506	0.0957	0.0564	130.8604
Total	8.4123	4.4599	35.9241	0.0638	7.7154	0.1353	7.8507	2.0609	0.1329	2.1938	275.1631	7,667.1592	7,942.3223	15.3938	0.3760	8,439.2281

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/1/2030	9/6/2030	5	50	
2	Site Preparation	Site Preparation	9/9/2030	10/16/2030	5	28	
3	Grading	Grading	10/17/2030	2/3/2031	5	78	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Building Construction	Building Construction	2/4/2031	2/3/2034	5	784
5	Paving	Paving	2/6/2034	4/19/2034	5	53
6	Architectural Coating	Architectural Coating	4/20/2034	7/3/2034	5	53

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 37

Acres of Paving: 10

Residential Indoor: 1,398,078; Residential Outdoor: 466,026; Non-Residential Indoor: 576,626; Non-Residential Outdoor: 192,209; Striped Parking Area: 26,136 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	973.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	21,044.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	782.00	214.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	156.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1098	0.0000	0.1098	0.0166	0.0000	0.0166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0519	0.2444	0.4729	1.1600e-003		8.7800e-003	8.7800e-003		8.7800e-003	8.7800e-003	0.0000	99.3046	99.3046	4.1900e-003	0.0000	99.4093
Total	0.0519	0.2444	0.4729	1.1600e-003	0.1098	8.7800e-003	0.1186	0.0166	8.7800e-003	0.0254	0.0000	99.3046	99.3046	4.1900e-003	0.0000	99.4093

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1000e-003	0.0652	0.0157	2.6000e-004	8.2200e-003	4.9000e-004	8.7000e-003	2.2600e-003	4.7000e-004	2.7200e-003	0.0000	26.0556	26.0556	1.0600e-003	4.1300e-003	27.3138
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.1000e-004	3.5000e-004	5.8800e-003	2.0000e-005	2.7500e-003	1.0000e-005	2.7600e-003	7.3000e-004	1.0000e-005	7.4000e-004	0.0000	1.7716	1.7716	4.0000e-005	4.0000e-005	1.7855
Total	1.8100e-003	0.0656	0.0216	2.8000e-004	0.0110	5.0000e-004	0.0115	2.9900e-003	4.8000e-004	3.4600e-003	0.0000	27.8272	27.8272	1.1000e-003	4.1700e-003	29.0993

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0494	0.0000	0.0494	7.4800e-003	0.0000	7.4800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0116	0.0501	0.5820	1.1600e-003		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003	0.0000	99.3045	99.3045	4.1900e-003	0.0000	99.4092
Total	0.0116	0.0501	0.5820	1.1600e-003	0.0494	1.5400e-003	0.0510	7.4800e-003	1.5400e-003	9.0200e-003	0.0000	99.3045	99.3045	4.1900e-003	0.0000	99.4092

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1000e-003	0.0652	0.0157	2.6000e-004	8.2200e-003	4.9000e-004	8.7000e-003	2.2600e-003	4.7000e-004	2.7200e-003	0.0000	26.0556	26.0556	1.0600e-003	4.1300e-003	27.3138
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.1000e-004	3.5000e-004	5.8800e-003	2.0000e-005	2.7500e-003	1.0000e-005	2.7600e-003	7.3000e-004	1.0000e-005	7.4000e-004	0.0000	1.7716	1.7716	4.0000e-005	4.0000e-005	1.7855
Total	1.8100e-003	0.0656	0.0216	2.8000e-004	0.0110	5.0000e-004	0.0115	2.9900e-003	4.8000e-004	3.4600e-003	0.0000	27.8272	27.8272	1.1000e-003	4.1700e-003	29.0993

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2529	0.0000	0.2529	0.1390	0.0000	0.1390	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0342	0.1914	0.2281	6.5000e-004		6.1100e-003	6.1100e-003		6.1100e-003	6.1100e-003	0.0000	56.0065	56.0065	2.7600e-003	0.0000	56.0756
Total	0.0342	0.1914	0.2281	6.5000e-004	0.2529	6.1100e-003	0.2590	0.1390	6.1100e-003	0.1451	0.0000	56.0065	56.0065	2.7600e-003	0.0000	56.0756

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	2.4000e-004	3.9500e-003	1.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.1905	1.1905	3.0000e-005	3.0000e-005	1.1999
Total	4.7000e-004	2.4000e-004	3.9500e-003	1.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.1905	1.1905	3.0000e-005	3.0000e-005	1.1999

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1138	0.0000	0.1138	0.0626	0.0000	0.0626	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5200e-003	0.0282	0.2922	6.5000e-004		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	56.0064	56.0064	2.7600e-003	0.0000	56.0755
Total	6.5200e-003	0.0282	0.2922	6.5000e-004	0.1138	8.7000e-004	0.1147	0.0626	8.7000e-004	0.0634	0.0000	56.0064	56.0064	2.7600e-003	0.0000	56.0755

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	2.4000e-004	3.9500e-003	1.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.1905	1.1905	3.0000e-005	3.0000e-005	1.1999
Total	4.7000e-004	2.4000e-004	3.9500e-003	1.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.1905	1.1905	3.0000e-005	3.0000e-005	1.1999

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1996	0.0000	0.1996	0.0941	0.0000	0.0941	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0886	0.3739	0.6216	1.8900e-003		0.0132	0.0132		0.0132	0.0132	0.0000	176.6778	176.6778	7.1400e-003	0.0000	176.8563
Total	0.0886	0.3739	0.6216	1.8900e-003	0.1996	0.0132	0.2128	0.0941	0.0132	0.1073	0.0000	176.6778	176.6778	7.1400e-003	0.0000	176.8563

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0165	0.9767	0.2356	3.9300e-003	0.1230	7.3000e-003	0.1303	0.0338	6.9900e-003	0.0408	0.0000	390.1357	390.1357	0.0159	0.0619	408.9746
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0200e-003	5.0000e-004	8.4600e-003	3.0000e-005	3.9700e-003	1.0000e-005	3.9800e-003	1.0500e-003	1.0000e-005	1.0700e-003	0.0000	2.5512	2.5512	5.0000e-005	6.0000e-005	2.5712
Total	0.0175	0.9772	0.2440	3.9600e-003	0.1270	7.3100e-003	0.1343	0.0348	7.0000e-003	0.0418	0.0000	392.6868	392.6868	0.0159	0.0620	411.5458

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0898	0.0000	0.0898	0.0424	0.0000	0.0424	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0206	0.0891	0.8910	1.8900e-003		2.7400e-003	2.7400e-003		2.7400e-003	2.7400e-003	0.0000	176.6776	176.6776	7.1400e-003	0.0000	176.8561
Total	0.0206	0.0891	0.8910	1.8900e-003	0.0898	2.7400e-003	0.0926	0.0424	2.7400e-003	0.0451	0.0000	176.6776	176.6776	7.1400e-003	0.0000	176.8561

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0165	0.9767	0.2356	3.9300e-003	0.1230	7.3000e-003	0.1303	0.0338	6.9900e-003	0.0408	0.0000	390.1357	390.1357	0.0159	0.0619	408.9746
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0200e-003	5.0000e-004	8.4600e-003	3.0000e-005	3.9700e-003	1.0000e-005	3.9800e-003	1.0500e-003	1.0000e-005	1.0700e-003	0.0000	2.5512	2.5512	5.0000e-005	6.0000e-005	2.5712
Total	0.0175	0.9772	0.2440	3.9600e-003	0.1270	7.3100e-003	0.1343	0.0348	7.0000e-003	0.0418	0.0000	392.6868	392.6868	0.0159	0.0620	411.5458

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1093	0.0000	0.1093	0.0445	0.0000	0.0445	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0394	0.1662	0.2763	8.4000e-004		5.8600e-003	5.8600e-003		5.8600e-003	5.8600e-003	0.0000	78.5235	78.5235	3.1700e-003	0.0000	78.6028
Total	0.0394	0.1662	0.2763	8.4000e-004	0.1093	5.8600e-003	0.1152	0.0445	5.8600e-003	0.0503	0.0000	78.5235	78.5235	3.1700e-003	0.0000	78.6028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.1900e-003	0.4263	0.1048	1.7200e-003	0.0547	3.1800e-003	0.0579	0.0150	3.0400e-003	0.0181	0.0000	170.2856	170.2856	6.9400e-003	0.0270	178.5088
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.1000e-004	3.6300e-003	1.0000e-005	1.7600e-003	1.0000e-005	1.7700e-003	4.7000e-004	1.0000e-005	4.7000e-004	0.0000	1.1095	1.1095	2.0000e-005	3.0000e-005	1.1181
Total	7.6200e-003	0.4265	0.1084	1.7300e-003	0.0564	3.1900e-003	0.0596	0.0155	3.0500e-003	0.0185	0.0000	171.3950	171.3950	6.9600e-003	0.0270	179.6269

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0492	0.0000	0.0492	0.0200	0.0000	0.0200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.1400e-003	0.0396	0.3960	8.4000e-004		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	78.5234	78.5234	3.1700e-003	0.0000	78.6027
Total	9.1400e-003	0.0396	0.3960	8.4000e-004	0.0492	1.2200e-003	0.0504	0.0200	1.2200e-003	0.0212	0.0000	78.5234	78.5234	3.1700e-003	0.0000	78.6027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.1900e-003	0.4263	0.1048	1.7200e-003	0.0547	3.1800e-003	0.0579	0.0150	3.0400e-003	0.0181	0.0000	170.2856	170.2856	6.9400e-003	0.0270	178.5088
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.1000e-004	3.6300e-003	1.0000e-005	1.7600e-003	1.0000e-005	1.7700e-003	4.7000e-004	1.0000e-005	4.7000e-004	0.0000	1.1095	1.1095	2.0000e-005	3.0000e-005	1.1181
Total	7.6200e-003	0.4265	0.1084	1.7300e-003	0.0564	3.1900e-003	0.0596	0.0155	3.0500e-003	0.0185	0.0000	171.3950	171.3950	6.9600e-003	0.0270	179.6269

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1551	0.9403	1.9146	3.6700e-003		0.0176	0.0176		0.0176	0.0176	0.0000	311.4903	311.4903	0.0125	0.0000	311.8027
Total	0.1551	0.9403	1.9146	3.6700e-003		0.0176	0.0176		0.0176	0.0176	0.0000	311.4903	311.4903	0.0125	0.0000	311.8027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0255	1.0760	0.3250	4.1200e-003	0.1483	5.5800e-003	0.1539	0.0429	5.3400e-003	0.0482	0.0000	401.7513	401.7513	9.8000e-003	0.0597	419.8003
Worker	0.1644	0.0814	1.4006	4.6700e-003	0.6806	2.2700e-003	0.6829	0.1810	2.0900e-003	0.1831	0.0000	428.3866	428.3866	8.7700e-003	0.0104	431.7082
Total	0.1899	1.1574	1.7256	8.7900e-003	0.8289	7.8500e-003	0.8368	0.2239	7.4300e-003	0.2313	0.0000	830.1379	830.1379	0.0186	0.0702	851.5085

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0389	0.2648	2.0690	3.6700e-003		4.8300e-003	4.8300e-003		4.8300e-003	4.8300e-003	0.0000	311.4899	311.4899	0.0125	0.0000	311.8024
Total	0.0389	0.2648	2.0690	3.6700e-003		4.8300e-003	4.8300e-003		4.8300e-003	4.8300e-003	0.0000	311.4899	311.4899	0.0125	0.0000	311.8024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0255	1.0760	0.3250	4.1200e-003	0.1483	5.5800e-003	0.1539	0.0429	5.3400e-003	0.0482	0.0000	401.7513	401.7513	9.8000e-003	0.0597	419.8003
Worker	0.1644	0.0814	1.4006	4.6700e-003	0.6806	2.2700e-003	0.6829	0.1810	2.0900e-003	0.1831	0.0000	428.3866	428.3866	8.7700e-003	0.0104	431.7082
Total	0.1899	1.1574	1.7256	8.7900e-003	0.8289	7.8500e-003	0.8368	0.2239	7.4300e-003	0.2313	0.0000	830.1379	830.1379	0.0186	0.0702	851.5085

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3479	344.3479	0.0138	0.0000	344.6933
Total	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3479	344.3479	0.0138	0.0000	344.6933

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0277	1.1767	0.3576	4.4900e-003	0.1640	6.0700e-003	0.1701	0.0474	5.8000e-003	0.0532	0.0000	437.4844	437.4844	0.0107	0.0651	457.1614
Worker	0.1715	0.0853	1.4995	5.0600e-003	0.7524	2.3400e-003	0.7547	0.2001	2.1600e-003	0.2023	0.0000	464.3807	464.3807	9.0700e-003	0.0112	467.9498
Total	0.1991	1.2620	1.8571	9.5500e-003	0.9164	8.4100e-003	0.9248	0.2475	7.9600e-003	0.2555	0.0000	901.8651	901.8651	0.0198	0.0764	925.1112

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0429	0.2928	2.2873	4.0600e-003		5.3400e-003	5.3400e-003		5.3400e-003	5.3400e-003	0.0000	344.3475	344.3475	0.0138	0.0000	344.6929
Total	0.0429	0.2928	2.2873	4.0600e-003		5.3400e-003	5.3400e-003		5.3400e-003	5.3400e-003	0.0000	344.3475	344.3475	0.0138	0.0000	344.6929

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0277	1.1767	0.3576	4.4900e-003	0.1640	6.0700e-003	0.1701	0.0474	5.8000e-003	0.0532	0.0000	437.4844	437.4844	0.0107	0.0651	457.1614
Worker	0.1715	0.0853	1.4995	5.0600e-003	0.7524	2.3400e-003	0.7547	0.2001	2.1600e-003	0.2023	0.0000	464.3807	464.3807	9.0700e-003	0.0112	467.9498
Total	0.1991	1.2620	1.8571	9.5500e-003	0.9164	8.4100e-003	0.9248	0.2475	7.9600e-003	0.2555	0.0000	901.8651	901.8651	0.0198	0.0764	925.1112

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0270	1.1570	0.3538	4.3900e-003	0.1627	5.9300e-003	0.1687	0.0470	5.6800e-003	0.0527	0.0000	428.3118	428.3118	0.0105	0.0638	447.5969
Worker	0.1613	0.0808	1.4465	4.9400e-003	0.7466	2.1800e-003	0.7488	0.1986	2.0100e-003	0.2006	0.0000	452.8119	452.8119	8.4500e-003	0.0109	456.2705
Total	0.1883	1.2379	1.8003	9.3300e-003	0.9094	8.1100e-003	0.9175	0.2456	7.6900e-003	0.2533	0.0000	881.1236	881.1236	0.0189	0.0747	903.8674

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0426	0.2905	2.2698	4.0200e-003		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
Total	0.0426	0.2905	2.2698	4.0200e-003		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0270	1.1570	0.3538	4.3900e-003	0.1627	5.9300e-003	0.1687	0.0470	5.6800e-003	0.0527	0.0000	428.3118	428.3118	0.0105	0.0638	447.5969
Worker	0.1613	0.0808	1.4465	4.9400e-003	0.7466	2.1800e-003	0.7488	0.1986	2.0100e-003	0.2006	0.0000	452.8119	452.8119	8.4500e-003	0.0109	456.2705
Total	0.1883	1.2379	1.8003	9.3300e-003	0.9094	8.1100e-003	0.9175	0.2456	7.6900e-003	0.2533	0.0000	881.1236	881.1236	0.0189	0.0747	903.8674

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0164	0.0992	0.2020	3.9000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003	0.0000	32.8576	32.8576	1.3200e-003	0.0000	32.8906
Total	0.0164	0.0992	0.2020	3.9000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003	0.0000	32.8576	32.8576	1.3200e-003	0.0000	32.8906

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.5500e-003	0.1103	0.0339	4.2000e-004	0.0157	5.6000e-004	0.0162	4.5200e-003	5.4000e-004	5.0600e-003	0.0000	40.6706	40.6706	9.9000e-004	6.0700e-003	42.5036
Worker	0.0147	7.4700e-003	0.1355	4.7000e-004	0.0718	2.0000e-004	0.0720	0.0191	1.8000e-004	0.0193	0.0000	42.8629	42.8629	7.6000e-004	1.0300e-003	43.1888
Total	0.0173	0.1177	0.1695	8.9000e-004	0.0874	7.6000e-004	0.0882	0.0236	7.2000e-004	0.0243	0.0000	83.5336	83.5336	1.7500e-003	7.1000e-003	85.6924

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.1000e-003	0.0279	0.2183	3.9000e-004		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	32.8576	32.8576	1.3200e-003	0.0000	32.8905
Total	4.1000e-003	0.0279	0.2183	3.9000e-004		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	32.8576	32.8576	1.3200e-003	0.0000	32.8905

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.5500e-003	0.1103	0.0339	4.2000e-004	0.0157	5.6000e-004	0.0162	4.5200e-003	5.4000e-004	5.0600e-003	0.0000	40.6706	40.6706	9.9000e-004	6.0700e-003	42.5036
Worker	0.0147	7.4700e-003	0.1355	4.7000e-004	0.0718	2.0000e-004	0.0720	0.0191	1.8000e-004	0.0193	0.0000	42.8629	42.8629	7.6000e-004	1.0300e-003	43.1888
Total	0.0173	0.1177	0.1695	8.9000e-004	0.0874	7.6000e-004	0.0882	0.0236	7.2000e-004	0.0243	0.0000	83.5336	83.5336	1.7500e-003	7.1000e-003	85.6924

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0367	0.1887	0.4200	7.4000e-004		8.7600e-003	8.7600e-003		8.7600e-003	8.7600e-003	0.0000	63.8637	63.8637	2.9900e-003	0.0000	63.9386
Paving	0.0131					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0498	0.1887	0.4200	7.4000e-004		8.7600e-003	8.7600e-003		8.7600e-003	8.7600e-003	0.0000	63.8637	63.8637	2.9900e-003	0.0000	63.9386

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	3.0000e-004	5.5100e-003	2.0000e-005	2.9200e-003	1.0000e-005	2.9300e-003	7.8000e-004	1.0000e-005	7.8000e-004	0.0000	1.7430	1.7430	3.0000e-005	4.0000e-005	1.7563
Total	6.0000e-004	3.0000e-004	5.5100e-003	2.0000e-005	2.9200e-003	1.0000e-005	2.9300e-003	7.8000e-004	1.0000e-005	7.8000e-004	0.0000	1.7430	1.7430	3.0000e-005	4.0000e-005	1.7563

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.4300e-003	0.0322	0.4583	7.4000e-004		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	63.8636	63.8636	2.9900e-003	0.0000	63.9385
Paving	0.0131					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0205	0.0322	0.4583	7.4000e-004		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	63.8636	63.8636	2.9900e-003	0.0000	63.9385

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	3.0000e-004	5.5100e-003	2.0000e-005	2.9200e-003	1.0000e-005	2.9300e-003	7.8000e-004	1.0000e-005	7.8000e-004	0.0000	1.7430	1.7430	3.0000e-005	4.0000e-005	1.7563
Total	6.0000e-004	3.0000e-004	5.5100e-003	2.0000e-005	2.9200e-003	1.0000e-005	2.9300e-003	7.8000e-004	1.0000e-005	7.8000e-004	0.0000	1.7430	1.7430	3.0000e-005	4.0000e-005	1.7563

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	6.1624					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4600e-003	0.0227	0.0476	8.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	6.7661	6.7661	2.7000e-004	0.0000	6.7730
Total	6.1659	0.0227	0.0476	8.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	6.7661	6.7661	2.7000e-004	0.0000	6.7730

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2300e-003	3.1600e-003	0.0573	2.0000e-004	0.0304	8.0000e-005	0.0305	8.0800e-003	8.0000e-005	8.1500e-003	0.0000	18.1274	18.1274	3.2000e-004	4.4000e-004	18.2652
Total	6.2300e-003	3.1600e-003	0.0573	2.0000e-004	0.0304	8.0000e-005	0.0305	8.0800e-003	8.0000e-005	8.1500e-003	0.0000	18.1274	18.1274	3.2000e-004	4.4000e-004	18.2652

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	6.1624					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9000e-004	3.4100e-003	0.0486	8.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	6.7661	6.7661	2.7000e-004	0.0000	6.7730
Total	6.1632	3.4100e-003	0.0486	8.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	6.7661	6.7661	2.7000e-004	0.0000	6.7730

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2300e-003	3.1600e-003	0.0573	2.0000e-004	0.0304	8.0000e-005	0.0305	8.0800e-003	8.0000e-005	8.1500e-003	0.0000	18.1274	18.1274	3.2000e-004	4.4000e-004	18.2652
Total	6.2300e-003	3.1600e-003	0.0573	2.0000e-004	0.0304	8.0000e-005	0.0305	8.0800e-003	8.0000e-005	8.1500e-003	0.0000	18.1274	18.1274	3.2000e-004	4.4000e-004	18.2652

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	91.50	1000sqft	1.83	91,476.00	0
Elementary School	65.30	1000sqft	1.50	65,340.00	0
General Light Industry	9.30	1000sqft	0.43	9,256.50	0
Parking Lot	435.60	1000sqft	10.00	435,600.00	0
City Park	1.80	Acre	1.80	78,408.00	0
Health Club	114.30	1000sqft	2.63	114,345.00	0
Hotel	38.00	Room	0.94	54,450.00	0
Apartments Mid Rise	424.00	Dwelling Unit	5.92	433,759.00	1132
Condo/townhouse	119.00	Dwelling Unit	4.58	118,500.00	318
Single Family Housing	77.00	Dwelling Unit	6.40	138,150.00	206
Strip Mall	49.50	1000sqft	0.96	49,549.50	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2040
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	357.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - One quarter build out, construction only

Land Use - 1/4 of land use

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Construction Phase - Adjusted for 4 year schedule

Trips and VMT -

Demolition -

Grading - Acre graded = site acreage

Architectural Coating -

Woodstoves -

Area Coating -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMPs

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	55.00	53.00
tblConstructionPhase	NumDays	740.00	784.00
tblConstructionPhase	NumDays	75.00	78.00
tblConstructionPhase	NumDays	55.00	53.00
tblConstructionPhase	NumDays	30.00	28.00
tblGrading	AcresOfGrading	234.00	37.00
tblGrading	AcresOfGrading	42.00	0.00
tblGrading	MaterialExported	0.00	56,930.00
tblGrading	MaterialImported	0.00	111,420.00
tblLandUse	LandUseSquareFeet	91,500.00	91,476.00
tblLandUse	LandUseSquareFeet	65,300.00	65,340.00
tblLandUse	LandUseSquareFeet	9,300.00	9,256.50
tblLandUse	LandUseSquareFeet	114,300.00	114,345.00
tblLandUse	LandUseSquareFeet	55,176.00	54,450.00
tblLandUse	LandUseSquareFeet	424,000.00	433,759.00
tblLandUse	LandUseSquareFeet	119,000.00	118,500.00
tblLandUse	LandUseSquareFeet	138,600.00	138,150.00
tblLandUse	LandUseSquareFeet	49,500.00	49,549.50

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tblLandUse	LotAcreage	2.10	1.83
tblLandUse	LotAcreage	0.21	0.43
tblLandUse	LotAcreage	2.62	2.63
tblLandUse	LotAcreage	1.27	0.94
tblLandUse	LotAcreage	11.16	5.92
tblLandUse	LotAcreage	7.44	4.58
tblLandUse	LotAcreage	25.00	6.40
tblLandUse	LotAcreage	1.14	0.96

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2034	0.1890	1.7423	1.5591	7.4900e-003	0.6914	0.0346	0.7260	0.2835	0.0343	0.3178	0.0000	707.9039	707.9039	0.0294	0.0600	726.5157
2035	0.3441	2.4995	3.8678	0.0145	0.9983	0.0249	1.0233	0.2865	0.0244	0.3110	0.0000	1,344.7947	1,344.7947	0.0378	0.0937	1,373.6506
2036	0.3328	2.1603	3.8547	0.0132	0.9163	0.0196	0.9359	0.2475	0.0192	0.2667	0.0000	1,208.8292	1,208.8292	0.0307	0.0736	1,231.5190
2037	0.3315	2.1520	3.8400	0.0132	0.9128	0.0195	0.9324	0.2466	0.0191	0.2657	0.0000	1,204.2154	1,204.2154	0.0306	0.0733	1,226.8186
2038	6.2484	0.3670	0.9107	2.3500e-003	0.1242	7.2600e-003	0.1315	0.0334	7.2100e-003	0.0406	0.0000	210.1876	210.1876	6.0900e-003	7.7700e-003	212.6555
Maximum	6.2484	2.4995	3.8678	0.0145	0.9983	0.0346	1.0233	0.2865	0.0343	0.3178	0.0000	1,344.7947	1,344.7947	0.0378	0.0937	1,373.6506

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2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2034	0.0555	1.1107	1.9916	7.4900e-003	0.3854	0.0121	0.3975	0.1479	0.0118	0.1597	0.0000	707.9036	707.9036	0.0294	0.0600	726.5153
2035	0.2116	1.8388	4.1617	0.0145	0.9349	0.0163	0.9512	0.2603	0.0158	0.2761	0.0000	1,344.7943	1,344.7943	0.0378	0.0937	1,373.6501
2036	0.2163	1.5149	4.0306	0.0132	0.9163	0.0131	0.9294	0.2475	0.0127	0.2602	0.0000	1,208.8288	1,208.8288	0.0307	0.0736	1,231.5186
2037	0.2155	1.5091	4.0152	0.0132	0.9128	0.0131	0.9259	0.2466	0.0127	0.2592	0.0000	1,204.2150	1,204.2150	0.0306	0.0733	1,226.8182
2038	6.2117	0.1893	0.9683	2.3500e-003	0.1242	2.4800e-003	0.1267	0.0334	2.4400e-003	0.0359	0.0000	210.1875	210.1875	6.0900e-003	7.7700e-003	212.6554
Maximum	6.2117	1.8388	4.1617	0.0145	0.9349	0.0163	0.9512	0.2603	0.0158	0.2761	0.0000	1,344.7943	1,344.7943	0.0378	0.0937	1,373.6501

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	7.19	30.92	-8.09	0.00	10.14	46.13	11.16	14.75	46.87	17.53	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-3-2034	10-2-2034	0.4729	0.1379
2	10-3-2034	1-2-2035	1.5137	1.0845
3	1-3-2035	4-2-2035	0.9631	0.7443
4	4-3-2035	7-2-2035	0.6086	0.4196
5	7-3-2035	10-2-2035	0.6158	0.4247
6	10-3-2035	1-2-2036	0.6362	0.4451
7	1-3-2036	4-2-2036	0.6288	0.4398

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8	4-3-2036	7-2-2036	0.6086	0.4196
9	7-3-2036	10-2-2036	0.6158	0.4247
10	10-3-2036	1-2-2037	0.6362	0.4451
11	1-3-2037	4-2-2037	0.6219	0.4350
12	4-3-2037	7-2-2037	0.6086	0.4196
13	7-3-2037	10-2-2037	0.6158	0.4247
14	10-3-2037	1-2-2038	0.6362	0.4451
15	1-3-2038	4-2-2038	0.3614	0.2036
16	4-3-2038	7-2-2038	6.0560	6.0069
17	7-3-2038	9-30-2038	0.2505	0.2497
		Highest	6.0560	6.0069

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.0342	0.0736	6.3760	3.4000e-004		0.0355	0.0355		0.0355	0.0355	0.0000	10.4642	10.4642	9.9900e-003	0.0000	10.7140
Energy	0.0916	0.8087	0.5253	4.9900e-003		0.0633	0.0633		0.0633	0.0633	0.0000	2,144.8298	2,144.8298	0.1316	0.0305	2,157.1938
Mobile	2.8588	3.1906	27.1701	0.0548	7.7105	0.0288	7.7393	2.0588	0.0269	2.0857	0.0000	5,085.7796	5,085.7796	0.3740	0.2723	5,176.2773
Waste						0.0000	0.0000		0.0000	0.0000	249.6566	0.0000	249.6566	14.7543	0.0000	618.5136
Water						0.0000	0.0000		0.0000	0.0000	25.5066	86.1441	111.6506	0.0957	0.0564	130.8604
Total	7.9845	4.0728	34.0714	0.0601	7.7105	0.1275	7.8380	2.0588	0.1256	2.1845	275.1631	7,327.2177	7,602.3808	15.3656	0.3592	8,093.5591

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.0342	0.0736	6.3760	3.4000e-004		0.0355	0.0355		0.0355	0.0355	0.0000	10.4642	10.4642	9.9900e-003	0.0000	10.7140
Energy	0.0916	0.8087	0.5253	4.9900e-003		0.0633	0.0633		0.0633	0.0633	0.0000	2,144.8298	2,144.8298	0.1316	0.0305	2,157.1938
Mobile	2.8588	3.1906	27.1701	0.0548	7.7105	0.0288	7.7393	2.0588	0.0269	2.0857	0.0000	5,085.7796	5,085.7796	0.3740	0.2723	5,176.2773
Waste						0.0000	0.0000		0.0000	0.0000	249.6566	0.0000	249.6566	14.7543	0.0000	618.5136
Water						0.0000	0.0000		0.0000	0.0000	25.5066	86.1441	111.6506	0.0957	0.0564	130.8604
Total	7.9845	4.0728	34.0714	0.0601	7.7105	0.1275	7.8380	2.0588	0.1256	2.1845	275.1631	7,327.2177	7,602.3808	15.3656	0.3592	8,093.5591

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/3/2034	9/8/2034	5	50	
2	Site Preparation	Site Preparation	9/11/2034	10/18/2034	5	28	
3	Grading	Grading	10/19/2034	2/5/2035	5	78	

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4	Building Construction	Building Construction	2/6/2035	2/5/2038	5	784
5	Paving	Paving	2/8/2038	4/21/2038	5	53
6	Architectural Coating	Architectural Coating	4/22/2038	7/5/2038	5	53

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 37

Acres of Paving: 10

Residential Indoor: 1,398,078; Residential Outdoor: 466,026; Non-Residential Indoor: 576,626; Non-Residential Outdoor: 192,209; Striped Parking Area: 26,136 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36

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Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	973.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	21,044.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	782.00	214.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	156.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

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3.2 Demolition - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1098	0.0000	0.1098	0.0166	0.0000	0.0166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0519	0.2444	0.4729	1.1600e-003		8.7800e-003	8.7800e-003		8.7800e-003	8.7800e-003	0.0000	99.3046	99.3046	4.1900e-003	0.0000	99.4093
Total	0.0519	0.2444	0.4729	1.1600e-003	0.1098	8.7800e-003	0.1186	0.0166	8.7800e-003	0.0254	0.0000	99.3046	99.3046	4.1900e-003	0.0000	99.4093

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0300e-003	0.0613	0.0158	2.5000e-004	8.2100e-003	4.6000e-004	8.6700e-003	2.2500e-003	4.4000e-004	2.6900e-003	0.0000	24.4788	24.4788	1.0000e-003	3.8800e-003	25.6610
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	2.9000e-004	5.2000e-003	2.0000e-005	2.7500e-003	1.0000e-005	2.7600e-003	7.3000e-004	1.0000e-005	7.4000e-004	0.0000	1.6444	1.6444	3.0000e-005	4.0000e-005	1.6569
Total	1.6000e-003	0.0616	0.0210	2.7000e-004	0.0110	4.7000e-004	0.0114	2.9800e-003	4.5000e-004	3.4300e-003	0.0000	26.1231	26.1231	1.0300e-003	3.9200e-003	27.3178

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3.2 Demolition - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0494	0.0000	0.0494	7.4800e-003	0.0000	7.4800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0116	0.0501	0.5820	1.1600e-003		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003	0.0000	99.3045	99.3045	4.1900e-003	0.0000	99.4092
Total	0.0116	0.0501	0.5820	1.1600e-003	0.0494	1.5400e-003	0.0510	7.4800e-003	1.5400e-003	9.0200e-003	0.0000	99.3045	99.3045	4.1900e-003	0.0000	99.4092

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0300e-003	0.0613	0.0158	2.5000e-004	8.2100e-003	4.6000e-004	8.6700e-003	2.2500e-003	4.4000e-004	2.6900e-003	0.0000	24.4788	24.4788	1.0000e-003	3.8800e-003	25.6610
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	2.9000e-004	5.2000e-003	2.0000e-005	2.7500e-003	1.0000e-005	2.7600e-003	7.3000e-004	1.0000e-005	7.4000e-004	0.0000	1.6444	1.6444	3.0000e-005	4.0000e-005	1.6569
Total	1.6000e-003	0.0616	0.0210	2.7000e-004	0.0110	4.7000e-004	0.0114	2.9800e-003	4.5000e-004	3.4300e-003	0.0000	26.1231	26.1231	1.0300e-003	3.9200e-003	27.3178

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2529	0.0000	0.2529	0.1390	0.0000	0.1390	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0342	0.1914	0.2281	6.5000e-004		6.1100e-003	6.1100e-003		6.1100e-003	6.1100e-003	0.0000	56.0065	56.0065	2.7600e-003	0.0000	56.0756
Total	0.0342	0.1914	0.2281	6.5000e-004	0.2529	6.1100e-003	0.2590	0.1390	6.1100e-003	0.1451	0.0000	56.0065	56.0065	2.7600e-003	0.0000	56.0756

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	1.9000e-004	3.4900e-003	1.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	0.0000	5.0000e-004	0.0000	1.1050	1.1050	2.0000e-005	3.0000e-005	1.1134
Total	3.8000e-004	1.9000e-004	3.4900e-003	1.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	0.0000	5.0000e-004	0.0000	1.1050	1.1050	2.0000e-005	3.0000e-005	1.1134

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1138	0.0000	0.1138	0.0626	0.0000	0.0626	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5200e-003	0.0282	0.2922	6.5000e-004		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	56.0064	56.0064	2.7600e-003	0.0000	56.0755
Total	6.5200e-003	0.0282	0.2922	6.5000e-004	0.1138	8.7000e-004	0.1147	0.0626	8.7000e-004	0.0634	0.0000	56.0064	56.0064	2.7600e-003	0.0000	56.0755

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	1.9000e-004	3.4900e-003	1.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	0.0000	5.0000e-004	0.0000	1.1050	1.1050	2.0000e-005	3.0000e-005	1.1134
Total	3.8000e-004	1.9000e-004	3.4900e-003	1.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	0.0000	5.0000e-004	0.0000	1.1050	1.1050	2.0000e-005	3.0000e-005	1.1134

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1936	0.0000	0.1936	0.0908	0.0000	0.0908	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0853	0.3600	0.5986	1.8200e-003		0.0127	0.0127		0.0127	0.0127	0.0000	170.1342	170.1342	6.8800e-003	0.0000	170.3061
Total	0.0853	0.3600	0.5986	1.8200e-003	0.1936	0.0127	0.2063	0.0908	0.0127	0.1035	0.0000	170.1342	170.1342	6.8800e-003	0.0000	170.3061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0149	0.8844	0.2278	3.5600e-003	0.1184	6.5700e-003	0.1250	0.0325	6.2900e-003	0.0388	0.0000	352.9504	352.9504	0.0145	0.0560	369.9960
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.8000e-004	4.0000e-004	7.2100e-003	2.0000e-005	3.8200e-003	1.0000e-005	3.8300e-003	1.0200e-003	1.0000e-005	1.0300e-003	0.0000	2.2802	2.2802	4.0000e-005	5.0000e-005	2.2975
Total	0.0157	0.8848	0.2350	3.5800e-003	0.1222	6.5800e-003	0.1288	0.0335	6.3000e-003	0.0398	0.0000	355.2306	355.2306	0.0145	0.0560	372.2936

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0871	0.0000	0.0871	0.0409	0.0000	0.0409	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0198	0.0858	0.8580	1.8200e-003		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	170.1340	170.1340	6.8800e-003	0.0000	170.3059
Total	0.0198	0.0858	0.8580	1.8200e-003	0.0871	2.6400e-003	0.0898	0.0409	2.6400e-003	0.0435	0.0000	170.1340	170.1340	6.8800e-003	0.0000	170.3059

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0149	0.8844	0.2278	3.5600e-003	0.1184	6.5700e-003	0.1250	0.0325	6.2900e-003	0.0388	0.0000	352.9504	352.9504	0.0145	0.0560	369.9960
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.8000e-004	4.0000e-004	7.2100e-003	2.0000e-005	3.8200e-003	1.0000e-005	3.8300e-003	1.0200e-003	1.0000e-005	1.0300e-003	0.0000	2.2802	2.2802	4.0000e-005	5.0000e-005	2.2975
Total	0.0157	0.8848	0.2350	3.5800e-003	0.1222	6.5800e-003	0.1288	0.0335	6.3000e-003	0.0398	0.0000	355.2306	355.2306	0.0145	0.0560	372.2936

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1153	0.0000	0.1153	0.0478	0.0000	0.0478	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0379	0.1247	0.2928	9.1000e-004		4.0800e-003	4.0800e-003		4.0800e-003	4.0800e-003	0.0000	85.0672	85.0672	3.0200e-003	0.0000	85.1426
Total	0.0379	0.1247	0.2928	9.1000e-004	0.1153	4.0800e-003	0.1194	0.0478	4.0800e-003	0.0519	0.0000	85.0672	85.0672	3.0200e-003	0.0000	85.1426

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.3600e-003	0.4370	0.1140	1.7600e-003	0.0592	3.2400e-003	0.0625	0.0163	3.1000e-003	0.0194	0.0000	174.3479	174.3479	7.1600e-003	0.0277	182.7683
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	1.9000e-004	3.5200e-003	1.0000e-005	1.9100e-003	0.0000	1.9100e-003	5.1000e-004	0.0000	5.1000e-004	0.0000	1.1244	1.1244	2.0000e-005	3.0000e-005	1.1330
Total	7.7300e-003	0.4372	0.1175	1.7700e-003	0.0611	3.2400e-003	0.0644	0.0168	3.1000e-003	0.0199	0.0000	175.4724	175.4724	7.1800e-003	0.0277	183.9012

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0519	0.0000	0.0519	0.0215	0.0000	0.0215	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.9000e-003	0.0429	0.4290	9.1000e-004		1.3200e-003	1.3200e-003		1.3200e-003	1.3200e-003	0.0000	85.0671	85.0671	3.0200e-003	0.0000	85.1425
Total	9.9000e-003	0.0429	0.4290	9.1000e-004	0.0519	1.3200e-003	0.0532	0.0215	1.3200e-003	0.0228	0.0000	85.0671	85.0671	3.0200e-003	0.0000	85.1425

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.3600e-003	0.4370	0.1140	1.7600e-003	0.0592	3.2400e-003	0.0625	0.0163	3.1000e-003	0.0194	0.0000	174.3479	174.3479	7.1600e-003	0.0277	182.7683
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	1.9000e-004	3.5200e-003	1.0000e-005	1.9100e-003	0.0000	1.9100e-003	5.1000e-004	0.0000	5.1000e-004	0.0000	1.1244	1.1244	2.0000e-005	3.0000e-005	1.1330
Total	7.7300e-003	0.4372	0.1175	1.7700e-003	0.0611	3.2400e-003	0.0644	0.0168	3.1000e-003	0.0199	0.0000	175.4724	175.4724	7.1800e-003	0.0277	183.9012

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1430	0.8415	1.8938	3.6400e-003		0.0106	0.0106		0.0106	0.0106	0.0000	308.8617	308.8617	0.0115	0.0000	309.1493
Total	0.1430	0.8415	1.8938	3.6400e-003		0.0106	0.0106		0.0106	0.0106	0.0000	308.8617	308.8617	0.0115	0.0000	309.1493

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0236	1.0282	0.3183	3.8800e-003	0.1471	5.2200e-003	0.1523	0.0425	4.9900e-003	0.0475	0.0000	378.0138	378.0138	9.2500e-003	0.0564	395.0653
Worker	0.1319	0.0680	1.2453	4.3300e-003	0.6748	1.7400e-003	0.6766	0.1795	1.6100e-003	0.1811	0.0000	397.3798	397.3798	6.8000e-003	9.5400e-003	400.3922
Total	0.1555	1.0962	1.5636	8.2100e-003	0.8219	6.9600e-003	0.8289	0.2220	6.6000e-003	0.2286	0.0000	775.3935	775.3935	0.0161	0.0660	795.4575

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0385	0.2626	2.0516	3.6400e-003		4.7900e-003	4.7900e-003		4.7900e-003	4.7900e-003	0.0000	308.8613	308.8613	0.0115	0.0000	309.1489
Total	0.0385	0.2626	2.0516	3.6400e-003		4.7900e-003	4.7900e-003		4.7900e-003	4.7900e-003	0.0000	308.8613	308.8613	0.0115	0.0000	309.1489

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0236	1.0282	0.3183	3.8800e-003	0.1471	5.2200e-003	0.1523	0.0425	4.9900e-003	0.0475	0.0000	378.0138	378.0138	9.2500e-003	0.0564	395.0653
Worker	0.1319	0.0680	1.2453	4.3300e-003	0.6748	1.7400e-003	0.6766	0.1795	1.6100e-003	0.1811	0.0000	397.3798	397.3798	6.8000e-003	9.5400e-003	400.3922
Total	0.1555	1.0962	1.5636	8.2100e-003	0.8219	6.9600e-003	0.8289	0.2220	6.6000e-003	0.2286	0.0000	775.3935	775.3935	0.0161	0.0660	795.4575

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3479	344.3479	0.0128	0.0000	344.6686
Total	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3479	344.3479	0.0128	0.0000	344.6686

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0264	1.1463	0.3549	4.3200e-003	0.1640	5.8200e-003	0.1698	0.0474	5.5700e-003	0.0530	0.0000	421.4451	421.4451	0.0103	0.0629	440.4557
Worker	0.1470	0.0758	1.3884	4.8300e-003	0.7524	1.9500e-003	0.7543	0.2001	1.7900e-003	0.2019	0.0000	443.0362	443.0362	7.5800e-003	0.0106	446.3947
Total	0.1734	1.2221	1.7433	9.1500e-003	0.9163	7.7700e-003	0.9241	0.2475	7.3600e-003	0.2549	0.0000	864.4813	864.4813	0.0179	0.0736	886.8504

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0429	0.2928	2.2873	4.0600e-003		5.3400e-003	5.3400e-003		5.3400e-003	5.3400e-003	0.0000	344.3475	344.3475	0.0128	0.0000	344.6682
Total	0.0429	0.2928	2.2873	4.0600e-003		5.3400e-003	5.3400e-003		5.3400e-003	5.3400e-003	0.0000	344.3475	344.3475	0.0128	0.0000	344.6682

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0264	1.1463	0.3549	4.3200e-003	0.1640	5.8200e-003	0.1698	0.0474	5.5700e-003	0.0530	0.0000	421.4451	421.4451	0.0103	0.0629	440.4557
Worker	0.1470	0.0758	1.3884	4.8300e-003	0.7524	1.9500e-003	0.7543	0.2001	1.7900e-003	0.2019	0.0000	443.0362	443.0362	7.5800e-003	0.0106	446.3947
Total	0.1734	1.2221	1.7433	9.1500e-003	0.9163	7.7700e-003	0.9241	0.2475	7.3600e-003	0.2549	0.0000	864.4813	864.4813	0.0179	0.0736	886.8504

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2037

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0263	1.1420	0.3535	4.3100e-003	0.1633	5.8000e-003	0.1691	0.0472	5.5400e-003	0.0528	0.0000	419.8366	419.8366	0.0103	0.0627	438.7746
Worker	0.1464	0.0755	1.3831	4.8100e-003	0.7495	1.9400e-003	0.7514	0.1993	1.7800e-003	0.2011	0.0000	441.3452	441.3452	7.5500e-003	0.0106	444.6909
Total	0.1727	1.2175	1.7366	9.1200e-003	0.9128	7.7400e-003	0.9206	0.2465	7.3200e-003	0.2539	0.0000	861.1818	861.1818	0.0178	0.0733	883.4655

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2037

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	0.0428	0.2916	2.2786	4.0400e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0263	1.1420	0.3535	4.3100e-003	0.1633	5.8000e-003	0.1691	0.0472	5.5400e-003	0.0528	0.0000	419.8366	419.8366	0.0103	0.0627	438.7746
Worker	0.1464	0.0755	1.3831	4.8100e-003	0.7495	1.9400e-003	0.7514	0.1993	1.7800e-003	0.2011	0.0000	441.3452	441.3452	7.5500e-003	0.0106	444.6909
Total	0.1727	1.2175	1.7366	9.1200e-003	0.9128	7.7400e-003	0.9206	0.2465	7.3200e-003	0.2539	0.0000	861.1818	861.1818	0.0178	0.0733	883.4655

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0158	0.0931	0.2095	4.0000e-004		1.1800e-003	1.1800e-003		1.1800e-003	1.1800e-003	0.0000	34.1719	34.1719	1.2700e-003	0.0000	34.2038
Total	0.0158	0.0931	0.2095	4.0000e-004		1.1800e-003	1.1800e-003		1.1800e-003	1.1800e-003	0.0000	34.1719	34.1719	1.2700e-003	0.0000	34.2038

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6200e-003	0.1138	0.0352	4.3000e-004	0.0163	5.8000e-004	0.0169	4.7000e-003	5.5000e-004	5.2500e-003	0.0000	41.8228	41.8228	1.0200e-003	6.2400e-003	43.7094
Worker	0.0146	7.5200e-003	0.1378	4.8000e-004	0.0747	1.9000e-004	0.0749	0.0199	1.8000e-004	0.0200	0.0000	43.9654	43.9654	7.5000e-004	1.0600e-003	44.2987
Total	0.0172	0.1213	0.1730	9.1000e-004	0.0909	7.7000e-004	0.0917	0.0246	7.3000e-004	0.0253	0.0000	85.7882	85.7882	1.7700e-003	7.3000e-003	88.0081

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2038

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.2600e-003	0.0291	0.2270	4.0000e-004		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	34.1719	34.1719	1.2700e-003	0.0000	34.2037
Total	4.2600e-003	0.0291	0.2270	4.0000e-004		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	34.1719	34.1719	1.2700e-003	0.0000	34.2037

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6200e-003	0.1138	0.0352	4.3000e-004	0.0163	5.8000e-004	0.0169	4.7000e-003	5.5000e-004	5.2500e-003	0.0000	41.8228	41.8228	1.0200e-003	6.2400e-003	43.7094
Worker	0.0146	7.5200e-003	0.1378	4.8000e-004	0.0747	1.9000e-004	0.0749	0.0199	1.8000e-004	0.0200	0.0000	43.9654	43.9654	7.5000e-004	1.0600e-003	44.2987
Total	0.0172	0.1213	0.1730	9.1000e-004	0.0909	7.7000e-004	0.0917	0.0246	7.3000e-004	0.0253	0.0000	85.7882	85.7882	1.7700e-003	7.3000e-003	88.0081

Innovation Park PUD - Part 4 - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0302	0.1292	0.4192	7.4000e-004		4.9700e-003	4.9700e-003		4.9700e-003	4.9700e-003	0.0000	63.8637	63.8637	2.4600e-003	0.0000	63.9252
Paving	0.0131					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0433	0.1292	0.4192	7.4000e-004		4.9700e-003	4.9700e-003		4.9700e-003	4.9700e-003	0.0000	63.8637	63.8637	2.4600e-003	0.0000	63.9252

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	2.9000e-004	5.3900e-003	2.0000e-005	2.9200e-003	1.0000e-005	2.9300e-003	7.8000e-004	1.0000e-005	7.8000e-004	0.0000	1.7191	1.7191	3.0000e-005	4.0000e-005	1.7321
Total	5.7000e-004	2.9000e-004	5.3900e-003	2.0000e-005	2.9200e-003	1.0000e-005	2.9300e-003	7.8000e-004	1.0000e-005	7.8000e-004	0.0000	1.7191	1.7191	3.0000e-005	4.0000e-005	1.7321

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2038

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.4300e-003	0.0322	0.4583	7.4000e-004		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	63.8636	63.8636	2.4600e-003	0.0000	63.9251
Paving	0.0131					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0205	0.0322	0.4583	7.4000e-004		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	63.8636	63.8636	2.4600e-003	0.0000	63.9251

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	2.9000e-004	5.3900e-003	2.0000e-005	2.9200e-003	1.0000e-005	2.9300e-003	7.8000e-004	1.0000e-005	7.8000e-004	0.0000	1.7191	1.7191	3.0000e-005	4.0000e-005	1.7321
Total	5.7000e-004	2.9000e-004	5.3900e-003	2.0000e-005	2.9200e-003	1.0000e-005	2.9300e-003	7.8000e-004	1.0000e-005	7.8000e-004	0.0000	1.7191	1.7191	3.0000e-005	4.0000e-005	1.7321

Innovation Park PUD - Part 4 - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	6.1624					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1200e-003	0.0201	0.0476	8.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	6.7661	6.7661	2.5000e-004	0.0000	6.7724
Total	6.1655	0.0201	0.0476	8.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	6.7661	6.7661	2.5000e-004	0.0000	6.7724

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9300e-003	3.0600e-003	0.0560	1.9000e-004	0.0304	8.0000e-005	0.0304	8.0800e-003	7.0000e-005	8.1500e-003	0.0000	17.8785	17.8785	3.1000e-004	4.3000e-004	18.0141
Total	5.9300e-003	3.0600e-003	0.0560	1.9000e-004	0.0304	8.0000e-005	0.0304	8.0800e-003	7.0000e-005	8.1500e-003	0.0000	17.8785	17.8785	3.1000e-004	4.3000e-004	18.0141

Innovation Park PUD - Part 4 - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2038

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	6.1624					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9000e-004	3.4100e-003	0.0486	8.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	6.7661	6.7661	2.5000e-004	0.0000	6.7724
Total	6.1632	3.4100e-003	0.0486	8.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	6.7661	6.7661	2.5000e-004	0.0000	6.7724

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9300e-003	3.0600e-003	0.0560	1.9000e-004	0.0304	8.0000e-005	0.0304	8.0800e-003	7.0000e-005	8.1500e-003	0.0000	17.8785	17.8785	3.1000e-004	4.3000e-004	18.0141
Total	5.9300e-003	3.0600e-003	0.0560	1.9000e-004	0.0304	8.0000e-005	0.0304	8.0800e-003	7.0000e-005	8.1500e-003	0.0000	17.8785	17.8785	3.1000e-004	4.3000e-004	18.0141

Innovation Park - Demolition - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Innovation Park - Demolition
Sacramento County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	183.80	Acre	183.80	8,006,328.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2024
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	357.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Demolition of areana

Land Use - Demo of areana only

Construction Phase - Default demolition schedule for land use type

Demolition -

Construction Off-road Equipment Mitigation - Tier 4 MM + Dust BMPs

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

Innovation Park - Demolition - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.7388	27.6444	21.4097	0.0470	2.7675	1.2596	4.0271	0.4553	1.1715	1.6268	0.0000	4,628.842 2	4,628.842 2	1.0867	0.1254	4,693.375 6
Maximum	2.7388	27.6444	21.4097	0.0470	2.7675	1.2596	4.0271	0.4553	1.1715	1.6268	0.0000	4,628.842 2	4,628.842 2	1.0867	0.1254	4,693.375 6

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.5620	3.9282	24.0954	0.0470	1.4128	0.0786	1.4915	0.2502	0.0779	0.3281	0.0000	4,628.842 2	4,628.842 2	1.0867	0.1254	4,693.375 6
Maximum	0.5620	3.9282	24.0954	0.0470	1.4128	0.0786	1.4915	0.2502	0.0779	0.3281	0.0000	4,628.842 2	4,628.842 2	1.0867	0.1254	4,693.375 6

Innovation Park - Demolition - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	79.48	85.79	-12.54	0.00	48.95	93.76	62.96	45.05	93.35	79.83	0.00	0.00	0.00	0.00	0.00	0.00

Innovation Park - Demolition - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.4142	1.7000e-004	0.0187	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0402	0.0402	1.1000e-004		0.0429
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	1.1936	1.0120	8.1906	0.0160	1.5660	0.0122	1.5782	0.4175	0.0114	0.4289		1,626.9683	1,626.9683	0.1119	0.0792	1,653.3787
Total	1.6078	1.0121	8.2093	0.0160	1.5660	0.0122	1.5783	0.4175	0.0114	0.4290		1,627.0085	1,627.0085	0.1120	0.0792	1,653.4215

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.4142	1.7000e-004	0.0187	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0402	0.0402	1.1000e-004		0.0429
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	1.1936	1.0120	8.1906	0.0160	1.5660	0.0122	1.5782	0.4175	0.0114	0.4289		1,626.9683	1,626.9683	0.1119	0.0792	1,653.3787
Total	1.6078	1.0121	8.2093	0.0160	1.5660	0.0122	1.5783	0.4175	0.0114	0.4290		1,627.0085	1,627.0085	0.1120	0.0792	1,653.4215

Innovation Park - Demolition - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	10/7/2022	5	200	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	2,183.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Innovation Park - Demolition - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4630	0.0000	2.4630	0.3729	0.0000	0.3729			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.781 2	3,746.781 2	1.0524		3,773.092 0
Total	2.6392	25.7194	20.5941	0.0388	2.4630	1.2427	3.7057	0.3729	1.1553	1.5282		3,746.781 2	3,746.781 2	1.0524		3,773.092 0

Innovation Park - Demolition - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0453	1.8975	0.3726	7.0900e-003	0.1904	0.0164	0.2067	0.0521	0.0156	0.0678		773.1528	773.1528	0.0311	0.1226	810.4499
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0543	0.0274	0.4430	1.0800e-003	0.1141	6.2000e-004	0.1147	0.0303	5.7000e-004	0.0308		108.9082	108.9082	3.2500e-003	2.8300e-003	109.8337
Total	0.0997	1.9250	0.8156	8.1700e-003	0.3045	0.0170	0.3215	0.0824	0.0162	0.0986		882.0610	882.0610	0.0343	0.1254	920.2835

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1084	0.0000	1.1084	0.1678	0.0000	0.1678			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	0.4623	2.0032	23.2798	0.0388	1.1084	0.0616	1.1700	0.1678	0.0616	0.2295	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

Innovation Park - Demolition - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0453	1.8975	0.3726	7.0900e-003	0.1904	0.0164	0.2067	0.0521	0.0156	0.0678		773.1528	773.1528	0.0311	0.1226	810.4499
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0543	0.0274	0.4430	1.0800e-003	0.1141	6.2000e-004	0.1147	0.0303	5.7000e-004	0.0308		108.9082	108.9082	3.2500e-003	2.8300e-003	109.8337
Total	0.0997	1.9250	0.8156	8.1700e-003	0.3045	0.0170	0.3215	0.0824	0.0162	0.0986		882.0610	882.0610	0.0343	0.1254	920.2835

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Innovation Park PUD - Part 1

Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	91.50	1000sqft	1.83	91,476.00	0
Elementary School	65.30	1000sqft	1.50	65,340.00	0
General Light Industry	9.30	1000sqft	0.43	9,256.50	0
Parking Lot	435.60	1000sqft	10.00	435,600.00	0
City Park	1.80	Acre	1.80	78,408.00	0
Health Club	114.30	1000sqft	2.63	114,345.00	0
Hotel	38.00	Room	0.94	54,450.00	0
Apartments Mid Rise	424.00	Dwelling Unit	5.92	433,759.00	1132
Condo/townhouse	119.00	Dwelling Unit	4.58	118,500.00	318
Single Family Housing	77.00	Dwelling Unit	6.40	138,150.00	206
Strip Mall	49.50	1000sqft	0.96	49,549.50	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2026
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	357.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - One quarter build out, construction only

Land Use - 1/4 of land use

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Construction Phase - Adjusted for 4 year schedule

Trips and VMT -

Demolition -

Grading - Acre graded = site acreage

Architectural Coating -

Woodstoves -

Area Coating -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMPs

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	55.00	53.00
tblConstructionPhase	NumDays	740.00	784.00
tblConstructionPhase	NumDays	75.00	78.00
tblConstructionPhase	NumDays	55.00	53.00
tblConstructionPhase	NumDays	30.00	28.00
tblGrading	AcresOfGrading	234.00	37.00
tblGrading	AcresOfGrading	42.00	0.00
tblGrading	MaterialExported	0.00	56,930.00
tblGrading	MaterialImported	0.00	111,420.00
tblLandUse	LandUseSquareFeet	91,500.00	91,476.00
tblLandUse	LandUseSquareFeet	65,300.00	65,340.00
tblLandUse	LandUseSquareFeet	9,300.00	9,256.50
tblLandUse	LandUseSquareFeet	114,300.00	114,345.00
tblLandUse	LandUseSquareFeet	55,176.00	54,450.00
tblLandUse	LandUseSquareFeet	424,000.00	433,759.00

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblLandUse	LandUseSquareFeet	119,000.00	118,500.00
tblLandUse	LandUseSquareFeet	138,600.00	138,150.00
tblLandUse	LandUseSquareFeet	49,500.00	49,549.50
tblLandUse	LotAcreage	2.10	1.83
tblLandUse	LotAcreage	0.21	0.43
tblLandUse	LotAcreage	2.62	2.63
tblLandUse	LotAcreage	1.27	0.94
tblLandUse	LotAcreage	11.16	5.92
tblLandUse	LotAcreage	7.44	4.58
tblLandUse	LotAcreage	25.00	6.40
tblLandUse	LotAcreage	1.14	0.96

2.0 Emissions Summary

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.8180	85.7823	38.8421	0.2388	18.2032	2.0399	19.8165	9.9670	1.8915	11.4513	0.0000	25,268.20 30	25,268.20 30	2.7160	3.0330	26,239.94 45
2023	4.4942	75.1009	40.6405	0.2327	11.8283	1.7380	13.5663	4.7608	1.6104	6.3712	0.0000	24,626.88 13	24,626.88 13	2.6848	2.9325	25,567.86 89
2024	4.2068	24.2839	38.9383	0.1195	7.2378	0.6970	7.9349	1.9490	0.6559	2.6049	0.0000	12,271.36 89	12,271.36 89	0.8474	0.7576	12,518.30 02
2025	3.9422	22.9968	37.4704	0.1169	7.2377	0.6089	7.8466	1.9489	0.5731	2.5220	0.0000	12,052.72 30	12,052.72 30	0.8287	0.7377	12,293.27 10
2026	233.1491	22.7088	36.3107	0.1145	7.2376	0.6063	7.8438	1.9489	0.5706	2.5195	0.0000	11,841.35 12	11,841.35 12	0.8152	0.7196	12,076.17 10
Maximum	233.1491	85.7823	40.6405	0.2388	18.2032	2.0399	19.8165	9.9670	1.8915	11.4513	0.0000	25,268.20 30	25,268.20 30	2.7160	3.0330	26,239.94 45

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	28.0781	0.5894	51.1843	2.7100e-003		0.2838	0.2838		0.2838	0.2838	0.0000	92.2787	92.2787	0.0887	0.0000	94.4951
Energy	0.5017	4.4310	2.8786	0.0274		0.3466	0.3466		0.3466	0.3466		5,473.0161	5,473.0161	0.1049	0.1003	5,505.5395
Mobile	34.1608	28.0551	234.8428	0.4682	49.1808	0.3499	49.5307	13.1091	0.3267	13.4357		49,255.0024	49,255.0024	3.2167	2.2913	50,018.2363
Total	62.7406	33.0755	288.9057	0.4983	49.1808	0.9804	50.1612	13.1091	0.9571	14.0662	0.0000	54,820.2972	54,820.2972	3.4103	2.3917	55,618.2709

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	28.0781	0.5894	51.1843	2.7100e-003		0.2838	0.2838		0.2838	0.2838	0.0000	92.2787	92.2787	0.0887	0.0000	94.4951
Energy	0.5017	4.4310	2.8786	0.0274		0.3466	0.3466		0.3466	0.3466		5,473.0161	5,473.0161	0.1049	0.1003	5,505.5395
Mobile	34.1608	28.0551	234.8428	0.4682	49.1808	0.3499	49.5307	13.1091	0.3267	13.4357		49,255.0024	49,255.0024	3.2167	2.2913	50,018.2363
Total	62.7406	33.0755	288.9057	0.4983	49.1808	0.9804	50.1612	13.1091	0.9571	14.0662	0.0000	54,820.2972	54,820.2972	3.4103	2.3917	55,618.2709

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/1/2022	9/8/2022	5	50	
2	Site Preparation	Site Preparation	9/9/2022	10/18/2022	5	28	
3	Grading	Grading	10/19/2022	2/3/2023	5	78	
4	Building Construction	Building Construction	2/6/2023	2/5/2026	5	784	
5	Paving	Paving	2/6/2026	4/21/2026	5	53	
6	Architectural Coating	Architectural Coating	4/22/2026	7/3/2026	5	53	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 37

Acres of Paving: 10

Residential Indoor: 1,398,078; Residential Outdoor: 466,026; Non-Residential Indoor: 576,626; Non-Residential Outdoor: 192,209; Striped Parking Area: 26,136 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	973.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	21,044.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	782.00	214.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	156.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.3928	0.0000	4.3928	0.6651	0.0000	0.6651			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.781 2	3,746.781 2	1.0524		3,773.092 0
Total	2.6392	25.7194	20.5941	0.0388	4.3928	1.2427	5.6355	0.6651	1.1553	1.8204		3,746.781 2	3,746.781 2	1.0524		3,773.092 0

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0808	3.3830	0.6642	0.0126	0.3394	0.0292	0.3686	0.0930	0.0279	0.1209		1,378.429 1	1,378.429 1	0.0554	0.2185	1,444.924 9
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0544	0.0275	0.4436	1.0800e-003	0.1141	6.2000e-004	0.1147	0.0303	5.7000e-004	0.0308		109.6128	109.6128	3.2500e-003	2.8300e-003	110.5382
Total	0.1352	3.4105	1.1079	0.0137	0.4535	0.0298	0.4833	0.1232	0.0285	0.1517		1,488.041 8	1,488.041 8	0.0586	0.2213	1,555.463 1

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9768	0.0000	1.9768	0.2993	0.0000	0.2993			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,746.781 2	3,746.781 2	1.0524		3,773.092 0
Total	0.4623	2.0032	23.2798	0.0388	1.9768	0.0616	2.0384	0.2993	0.0616	0.3610	0.0000	3,746.781 2	3,746.781 2	1.0524		3,773.092 0

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0808	3.3830	0.6642	0.0126	0.3394	0.0292	0.3686	0.0930	0.0279	0.1209			1,378.429 1	1,378.429 1	0.0554	0.2185	1,444.924 9
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0544	0.0275	0.4436	1.0800e-003	0.1141	6.2000e-004	0.1147	0.0303	5.7000e-004	0.0308			109.6128	109.6128	3.2500e-003	2.8300e-003	110.5382
Total	0.1352	3.4105	1.1079	0.0137	0.4535	0.0298	0.4833	0.1232	0.0285	0.1517			1,488.041 8	1,488.041 8	0.0586	0.2213	1,555.463 1

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143		3,686.0619	3,686.0619	1.1922		3,715.8655

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0652	0.0329	0.5324	1.2900e-003	0.1369	7.4000e-004	0.1377	0.0363	6.8000e-004	0.0370		131.5353	131.5353	3.9000e-003	3.4000e-003	132.6458
Total	0.0652	0.0329	0.5324	1.2900e-003	0.1369	7.4000e-004	0.1377	0.0363	6.8000e-004	0.0370		131.5353	131.5353	3.9000e-003	3.4000e-003	132.6458

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	0.4656	2.0175	20.8690	0.0380	8.1298	0.0621	8.1919	4.4688	0.0621	4.5309	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0652	0.0329	0.5324	1.2900e-003	0.1369	7.4000e-004	0.1377	0.0363	6.8000e-004	0.0370		131.5353	131.5353	3.9000e-003	3.4000e-003	132.6458
Total	0.0652	0.0329	0.5324	1.2900e-003	0.1369	7.4000e-004	0.1377	0.0363	6.8000e-004	0.0370		131.5353	131.5353	3.9000e-003	3.4000e-003	132.6458

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.9715	0.0000	6.9715	3.4321	0.0000	3.4321			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	6.9715	1.6349	8.6064	3.4321	1.5041	4.9362		6,011.4105	6,011.4105	1.9442		6,060.0158

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.1207	46.9022	9.2091	0.1753	4.7059	0.4042	5.1101	1.2887	0.3867	1.6754		19,110.6422	19,110.6422	0.7675	3.0293	20,032.5444
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0725	0.0366	0.5915	1.4400e-003	0.1521	8.3000e-004	0.1530	0.0404	7.6000e-004	0.0411		146.1503	146.1503	4.3400e-003	3.7800e-003	147.3843
Total	1.1932	46.9388	9.8006	0.1767	4.8580	0.4050	5.2630	1.3291	0.3874	1.7165		19,256.7925	19,256.7925	0.7718	3.0330	20,179.9287

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1372	0.0000	3.1372	1.5445	0.0000	1.5445			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0621		0.1015	0.1015		0.1015	0.1015	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	0.7616	3.3000	32.9991	0.0621	3.1372	0.1015	3.2387	1.5445	0.1015	1.6460	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.1207	46.9022	9.2091	0.1753	4.7059	0.4042	5.1101	1.2887	0.3867	1.6754		19,110.6422	19,110.6422	0.7675	3.0293	20,032.5444
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0725	0.0366	0.5915	1.4400e-003	0.1521	8.3000e-004	0.1530	0.0404	7.6000e-004	0.0411		146.1503	146.1503	4.3400e-003	3.7800e-003	147.3843
Total	1.1932	46.9388	9.8006	0.1767	4.8580	0.4050	5.2630	1.3291	0.3874	1.7165		19,256.7925	19,256.7925	0.7718	3.0330	20,179.9287

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.9715	0.0000	6.9715	3.4321	0.0000	3.4321			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	6.9715	1.4245	8.3960	3.4321	1.3105	4.7427		6,011.4777	6,011.4777	1.9442		6,060.0836

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7321	40.5529	8.5597	0.1693	4.7047	0.3127	5.0174	1.2883	0.2992	1.5875		18,473.0638	18,473.0638	0.7367	2.9290	19,364.3062
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0674	0.0324	0.5451	1.3900e-003	0.1521	7.8000e-004	0.1529	0.0404	7.2000e-004	0.0411		142.3398	142.3398	3.9100e-003	3.5000e-003	143.4791
Total	0.7995	40.5853	9.1048	0.1707	4.8568	0.3135	5.1703	1.3287	0.2999	1.6286		18,615.4036	18,615.4036	0.7406	2.9325	19,507.7853

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1372	0.0000	3.1372	1.5445	0.0000	1.5445			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0621		0.1015	0.1015		0.1015	0.1015	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	0.7616	3.3000	32.9991	0.0621	3.1372	0.1015	3.2387	1.5445	0.1015	1.6460	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7321	40.5529	8.5597	0.1693	4.7047	0.3127	5.0174	1.2883	0.2992	1.5875		18,473.0638	18,473.0638	0.7367	2.9290	19,364.3062
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0674	0.0324	0.5451	1.3900e-003	0.1521	7.8000e-004	0.1529	0.0404	7.2000e-004	0.0411		142.3398	142.3398	3.9100e-003	3.5000e-003	143.4791
Total	0.7995	40.5853	9.1048	0.1707	4.8568	0.3135	5.1703	1.3287	0.2999	1.6286		18,615.4036	18,615.4036	0.7406	2.9325	19,507.7853

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2863	9.9090	3.0848	0.0408	1.2893	0.0553	1.3446	0.3711	0.0529	0.4240		4,373.8222	4,373.8222	0.1081	0.6411	4,567.5843
Worker	2.6351	1.2661	21.3118	0.0544	5.9487	0.0307	5.9793	1.5779	0.0282	1.6062		5,565.4852	5,565.4852	0.1527	0.1367	5,610.0331
Total	2.9214	11.1751	24.3965	0.0952	7.2380	0.0860	7.3240	1.9490	0.0812	2.0302		9,939.3073	9,939.3073	0.2608	0.7778	10,177.6174

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2863	9.9090	3.0848	0.0408	1.2893	0.0553	1.3446	0.3711	0.0529	0.4240		4,373.8222	4,373.8222	0.1081	0.6411	4,567.5843
Worker	2.6351	1.2661	21.3118	0.0544	5.9487	0.0307	5.9793	1.5779	0.0282	1.6062		5,565.4852	5,565.4852	0.1527	0.1367	5,610.0331
Total	2.9214	11.1751	24.3965	0.0952	7.2380	0.0860	7.3240	1.9490	0.0812	2.0302		9,939.3073	9,939.3073	0.2608	0.7778	10,177.6174

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2739	9.7123	2.9880	0.0400	1.2892	0.0545	1.3437	0.3710	0.0522	0.4232		4,290.5232	4,290.5232	0.1051	0.6304	4,481.0073
Worker	2.4613	1.1279	19.7835	0.0526	5.9487	0.0292	5.9779	1.5779	0.0269	1.6048		5,425.1468	5,425.1468	0.1380	0.1272	5,466.4852
Total	2.7352	10.8402	22.7714	0.0926	7.2378	0.0837	7.3215	1.9490	0.0790	2.0280		9,715.6700	9,715.6700	0.2430	0.7576	9,947.4925

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2739	9.7123	2.9880	0.0400	1.2892	0.0545	1.3437	0.3710	0.0522	0.4232		4,290.5232	4,290.5232	0.1051	0.6304	4,481.0073
Worker	2.4613	1.1279	19.7835	0.0526	5.9487	0.0292	5.9779	1.5779	0.0269	1.6048		5,425.1468	5,425.1468	0.1380	0.1272	5,466.4852
Total	2.7352	10.8402	22.7714	0.0926	7.2378	0.0837	7.3215	1.9490	0.0790	2.0280		9,715.6700	9,715.6700	0.2430	0.7576	9,947.4925

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2641	9.5146	2.9179	0.0392	1.2890	0.0534	1.3424	0.3710	0.0511	0.4221		4,203.522 2	4,203.522 2	0.1029	0.6188	4,390.491 2
Worker	2.3107	1.0125	18.4678	0.0508	5.9487	0.0279	5.9766	1.5779	0.0257	1.6036		5,292.726 5	5,292.726 5	0.1249	0.1189	5,331.281 7
Total	2.5748	10.5271	21.3857	0.0900	7.2377	0.0814	7.3190	1.9489	0.0768	2.0258		9,496.248 7	9,496.248 7	0.2278	0.7377	9,721.773 0

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2641	9.5146	2.9179	0.0392	1.2890	0.0534	1.3424	0.3710	0.0511	0.4221		4,203.522 2	4,203.522 2	0.1029	0.6188	4,390.491 2
Worker	2.3107	1.0125	18.4678	0.0508	5.9487	0.0279	5.9766	1.5779	0.0257	1.6036		5,292.726 5	5,292.726 5	0.1249	0.1189	5,331.281 7
Total	2.5748	10.5271	21.3857	0.0900	7.2377	0.0814	7.3190	1.9489	0.0768	2.0258		9,496.248 7	9,496.248 7	0.2278	0.7377	9,721.773 0

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2549	9.3210	2.8604	0.0384	1.2889	0.0521	1.3410	0.3709	0.0499	0.4208		4,118.7554	4,118.7554	0.1006	0.6075	4,302.316 2
Worker	2.1785	0.9181	17.3656	0.0492	5.9487	0.0266	5.9753	1.5779	0.0245	1.6024		5,166.121 5	5,166.121 5	0.1137	0.1121	5,202.356 8
Total	2.4334	10.2391	20.2260	0.0875	7.2376	0.0788	7.3163	1.9489	0.0744	2.0232		9,284.876 9	9,284.876 9	0.2143	0.7196	9,504.673 0

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2549	9.3210	2.8604	0.0384	1.2889	0.0521	1.3410	0.3709	0.0499	0.4208		4,118.7554	4,118.7554	0.1006	0.6075	4,302.316 2
Worker	2.1785	0.9181	17.3656	0.0492	5.9487	0.0266	5.9753	1.5779	0.0245	1.6024		5,166.121 5	5,166.121 5	0.1137	0.1121	5,202.356 8
Total	2.4334	10.2391	20.2260	0.0875	7.2376	0.0788	7.3163	1.9489	0.0744	2.0232		9,284.876 9	9,284.876 9	0.2143	0.7196	9,504.673 0

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.4943					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4095	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0418	0.0176	0.3331	9.4000e-004	0.1141	5.1000e-004	0.1146	0.0303	4.7000e-004	0.0307		99.0944	99.0944	2.1800e-003	2.1500e-003	99.7895
Total	0.0418	0.0176	0.3331	9.4000e-004	0.1141	5.1000e-004	0.1146	0.0303	4.7000e-004	0.0307		99.0944	99.0944	2.1800e-003	2.1500e-003	99.7895

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.4943					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7748	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0418	0.0176	0.3331	9.4000e-004	0.1141	5.1000e-004	0.1146	0.0303	4.7000e-004	0.0307		99.0944	99.0944	2.1800e-003	2.1500e-003	99.7895
Total	0.0418	0.0176	0.3331	9.4000e-004	0.1141	5.1000e-004	0.1146	0.0303	4.7000e-004	0.0307		99.0944	99.0944	2.1800e-003	2.1500e-003	99.7895

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	232.5436					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	232.7145	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4346	0.1832	3.4643	9.8100e-003	1.1867	5.3100e-003	1.1920	0.3148	4.8900e-003	0.3197		1,030.5818	1,030.5818	0.0227	0.0224	1,037.8103
Total	0.4346	0.1832	3.4643	9.8100e-003	1.1867	5.3100e-003	1.1920	0.3148	4.8900e-003	0.3197		1,030.5818	1,030.5818	0.0227	0.0224	1,037.8103

Innovation Park PUD - Part 1 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	232.5436					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
Total	232.5733	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4346	0.1832	3.4643	9.8100e-003	1.1867	5.3100e-003	1.1920	0.3148	4.8900e-003	0.3197		1,030.5818	1,030.5818	0.0227	0.0224	1,037.8103
Total	0.4346	0.1832	3.4643	9.8100e-003	1.1867	5.3100e-003	1.1920	0.3148	4.8900e-003	0.3197		1,030.5818	1,030.5818	0.0227	0.0224	1,037.8103

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Innovation Park PUD - Part 2
Sacramento County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	91.50	1000sqft	1.83	91,476.00	0
Elementary School	65.30	1000sqft	1.50	65,340.00	0
General Light Industry	9.30	1000sqft	0.43	9,256.50	0
Parking Lot	435.60	1000sqft	10.00	435,600.00	0
City Park	1.80	Acre	1.80	78,408.00	0
Health Club	114.30	1000sqft	2.63	114,345.00	0
Hotel	38.00	Room	0.94	54,450.00	0
Apartments Mid Rise	424.00	Dwelling Unit	5.92	433,759.00	1132
Condo/townhouse	119.00	Dwelling Unit	4.58	118,500.00	318
Single Family Housing	77.00	Dwelling Unit	6.40	138,150.00	206
Strip Mall	49.50	1000sqft	0.96	49,549.50	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2030
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	357.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - One quarter build out, construction only

Land Use - 1/4 of land use

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Construction Phase - Adjusted for 4 year schedule

Trips and VMT -

Demolition -

Grading - Acre graded = site acreage

Architectural Coating -

Woodstoves -

Area Coating -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMPs

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	55.00	53.00
tblConstructionPhase	NumDays	740.00	784.00
tblConstructionPhase	NumDays	75.00	78.00
tblConstructionPhase	NumDays	55.00	53.00
tblConstructionPhase	NumDays	30.00	28.00
tblGrading	AcresOfGrading	234.00	37.00
tblGrading	AcresOfGrading	42.00	0.00
tblGrading	MaterialExported	0.00	56,930.00
tblGrading	MaterialImported	0.00	111,420.00
tblLandUse	LandUseSquareFeet	91,500.00	91,476.00
tblLandUse	LandUseSquareFeet	65,300.00	65,340.00
tblLandUse	LandUseSquareFeet	9,300.00	9,256.50
tblLandUse	LandUseSquareFeet	114,300.00	114,345.00
tblLandUse	LandUseSquareFeet	55,176.00	54,450.00
tblLandUse	LandUseSquareFeet	424,000.00	433,759.00
tblLandUse	LandUseSquareFeet	119,000.00	118,500.00
tblLandUse	LandUseSquareFeet	138,600.00	138,150.00
tblLandUse	LandUseSquareFeet	49,500.00	49,549.50

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblLandUse	LotAcreage	2.10	1.83
tblLandUse	LotAcreage	0.21	0.43
tblLandUse	LotAcreage	2.62	2.63
tblLandUse	LotAcreage	1.27	0.94
tblLandUse	LotAcreage	11.16	5.92
tblLandUse	LotAcreage	7.44	4.58
tblLandUse	LotAcreage	25.00	6.40
tblLandUse	LotAcreage	1.14	0.96

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	3.6392	65.3822	35.4071	0.2222	18.2032	1.4270	19.2906	9.9670	1.3237	10.9674	0.0000	23,499.5381	23,499.5381	2.6420	2.7568	24,387.1016
2027	3.6651	64.4126	35.3874	0.2185	11.8242	1.4201	13.2443	4.7593	1.3171	6.0764	0.0000	23,102.3094	23,102.3094	2.6257	2.6943	23,970.8567
2028	3.5460	22.2369	34.3224	0.1101	7.2373	0.6008	7.8381	1.9488	0.5655	2.5143	0.0000	11,190.8844	11,190.8844	0.7927	0.6859	11,415.0935
2029	3.4301	22.0440	33.5995	0.1082	7.2372	0.5983	7.8355	1.9488	0.5631	2.5119	0.0000	10,992.3575	10,992.3575	0.7836	0.6712	11,211.9698
2030	233.0184	17.3359	33.0627	0.1104	7.2371	0.3310	7.4536	1.9487	0.3310	2.1615	0.0000	11,154.3166	11,154.3166	0.2910	0.6581	11,357.6964
Maximum	233.0184	65.3822	35.4071	0.2222	18.2032	1.4270	19.2906	9.9670	1.3237	10.9674	0.0000	23,499.5381	23,499.5381	2.6420	2.7568	24,387.1016

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	28.0697	0.5889	51.0974	2.7100e-003		0.2840	0.2840		0.2840	0.2840	0.0000	92.2787	92.2787	0.0882	0.0000	94.4838
Energy	0.5017	4.4310	2.8786	0.0274		0.3466	0.3466		0.3466	0.3466		5,473.0161	5,473.0161	0.1049	0.1003	5,505.5395
Mobile	29.4008	23.1489	203.9594	0.4180	49.1514	0.2792	49.4306	13.0965	0.2606	13.3572		42,672.3866	42,672.3866	2.8274	2.0319	43,348.5828
Total	57.9722	28.1687	257.9354	0.4481	49.1514	0.9097	50.0611	13.0965	0.8912	13.9877	0.0000	48,237.6814	48,237.6814	3.0205	2.1323	48,948.6061

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	28.0697	0.5889	51.0974	2.7100e-003		0.2840	0.2840		0.2840	0.2840	0.0000	92.2787	92.2787	0.0882	0.0000	94.4838
Energy	0.5017	4.4310	2.8786	0.0274		0.3466	0.3466		0.3466	0.3466		5,473.0161	5,473.0161	0.1049	0.1003	5,505.5395
Mobile	29.4008	23.1489	203.9594	0.4180	49.1514	0.2792	49.4306	13.0965	0.2606	13.3572		42,672.3866	42,672.3866	2.8274	2.0319	43,348.5828
Total	57.9722	28.1687	257.9354	0.4481	49.1514	0.9097	50.0611	13.0965	0.8912	13.9877	0.0000	48,237.6814	48,237.6814	3.0205	2.1323	48,948.6061

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/1/2026	9/8/2026	5	50	
2	Site Preparation	Site Preparation	9/9/2026	10/16/2026	5	28	
3	Grading	Grading	10/19/2026	2/3/2027	5	78	
4	Building Construction	Building Construction	2/4/2027	2/5/2030	5	784	
5	Paving	Paving	2/6/2030	4/19/2030	5	53	
6	Architectural Coating	Architectural Coating	4/22/2030	7/3/2030	5	53	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 37

Acres of Paving: 10

Residential Indoor: 1,398,078; Residential Outdoor: 466,026; Non-Residential Indoor: 576,626; Non-Residential Outdoor: 192,209; Striped Parking Area: 26,136 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	973.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	21,044.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	782.00	214.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	156.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.3928	0.0000	4.3928	0.6651	0.0000	0.6651			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388	4.3928	0.8528	5.2456	0.6651	0.7920	1.4571		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0492	2.6988	0.6229	0.0115	0.3391	0.0213	0.3604	0.0928	0.0204	0.1132		1,252.4539	1,252.4539	0.0502	0.1986	1,312.9020
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0417	0.0176	0.3304	9.4000e-004	0.1141	5.1000e-004	0.1146	0.0303	4.7000e-004	0.0307		95.3574	95.3574	2.1800e-003	2.1500e-003	96.0524
Total	0.0909	2.7163	0.9532	0.0124	0.4532	0.0218	0.4750	0.1231	0.0209	0.1440		1,347.8113	1,347.8113	0.0524	0.2008	1,408.9544

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9768	0.0000	1.9768	0.2993	0.0000	0.2993			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	0.4623	2.0032	23.2798	0.0388	1.9768	0.0616	2.0384	0.2993	0.0616	0.3610	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0492	2.6988	0.6229	0.0115	0.3391	0.0213	0.3604	0.0928	0.0204	0.1132		1,252.4539	1,252.4539	0.0502	0.1986	1,312.9020
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0417	0.0176	0.3304	9.4000e-004	0.1141	5.1000e-004	0.1146	0.0303	4.7000e-004	0.0307		95.3574	95.3574	2.1800e-003	2.1500e-003	96.0524
Total	0.0909	2.7163	0.9532	0.0124	0.4532	0.0218	0.4750	0.1231	0.0209	0.1440		1,347.8113	1,347.8113	0.0524	0.2008	1,408.9544

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	2.4727	25.2339	17.9118	0.0381	18.0663	1.0868	19.1531	9.9307	0.9999	10.9305		3,689.1037	3,689.1037	1.1931		3,718.9320

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0500	0.0211	0.3964	1.1300e-003	0.1369	6.1000e-004	0.1375	0.0363	5.6000e-004	0.0369		114.4288	114.4288	2.6200e-003	2.5800e-003	115.2629
Total	0.0500	0.0211	0.3964	1.1300e-003	0.1369	6.1000e-004	0.1375	0.0363	5.6000e-004	0.0369		114.4288	114.4288	2.6200e-003	2.5800e-003	115.2629

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0381		0.0621	0.0621		0.0621	0.0621	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	0.4656	2.0175	20.8690	0.0381	8.1298	0.0621	8.1919	4.4688	0.0621	4.5309	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0500	0.0211	0.3964	1.1300e-003	0.1369	6.1000e-004	0.1375	0.0363	5.6000e-004	0.0369		114.4288	114.4288	2.6200e-003	2.5800e-003	115.2629
Total	0.0500	0.0211	0.3964	1.1300e-003	0.1369	6.1000e-004	0.1375	0.0363	5.6000e-004	0.0369		114.4288	114.4288	2.6200e-003	2.5800e-003	115.2629

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.9715	0.0000	6.9715	3.4321	0.0000	3.4321			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	2.9012	27.9429	26.3311	0.0621	6.9715	1.1309	8.1024	3.4321	1.0404	4.4726		6,008.2814	6,008.2814	1.9432		6,056.8614

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6824	37.4159	8.6355	0.1589	4.7015	0.2955	4.9969	1.2871	0.2827	1.5698		17,364.1135	17,364.1135	0.6959	2.7539	18,202.1703
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0556	0.0234	0.4405	1.2600e-003	0.1521	6.7000e-004	0.1528	0.0404	6.2000e-004	0.0410		127.1432	127.1432	2.9100e-003	2.8700e-003	128.0699
Total	0.7380	37.4393	9.0760	0.1602	4.8536	0.2961	5.1497	1.3275	0.2833	1.6108		17,491.2566	17,491.2566	0.6988	2.7568	18,330.2402

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1372	0.0000	3.1372	1.5445	0.0000	1.5445			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0621		0.1015	0.1015		0.1015	0.1015	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	0.7616	3.3000	32.9991	0.0621	3.1372	0.1015	3.2387	1.5445	0.1015	1.6460	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6824	37.4159	8.6355	0.1589	4.7015	0.2955	4.9969	1.2871	0.2827	1.5698		17,364.1135	17,364.1135	0.6959	2.7539	18,202.1703
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0556	0.0234	0.4405	1.2600e-003	0.1521	6.7000e-004	0.1528	0.0404	6.2000e-004	0.0410		127.1432	127.1432	2.9100e-003	2.8700e-003	128.0699
Total	0.7380	37.4393	9.0760	0.1602	4.8536	0.2961	5.1497	1.3275	0.2833	1.6108		17,491.2566	17,491.2566	0.6988	2.7568	18,330.2402

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.9715	0.0000	6.9715	3.4321	0.0000	3.4321			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	2.9012	27.9429	26.3311	0.0621	6.9715	1.1309	8.1024	3.4321	1.0404	4.4726		6,008.2814	6,008.2814	1.9432		6,056.8614

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6667	36.4483	8.6404	0.1553	4.7005	0.2886	4.9891	1.2868	0.2761	1.5629		16,970.7095	16,970.7095	0.6799	2.6916	17,789.8000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0525	0.0214	0.4160	1.2200e-003	0.1521	6.4000e-004	0.1528	0.0404	5.9000e-004	0.0409		123.3184	123.3184	2.6600e-003	2.7200e-003	124.1952
Total	0.7191	36.4697	9.0563	0.1565	4.8527	0.2892	5.1419	1.3272	0.2767	1.6038		17,094.0280	17,094.0280	0.6825	2.6943	17,913.9953

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1372	0.0000	3.1372	1.5445	0.0000	1.5445			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0621		0.1015	0.1015		0.1015	0.1015	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	0.7616	3.3000	32.9991	0.0621	3.1372	0.1015	3.2387	1.5445	0.1015	1.6460	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6667	36.4483	8.6404	0.1553	4.7005	0.2886	4.9891	1.2868	0.2761	1.5629		16,970.7095	16,970.7095	0.6799	2.6916	17,789.8000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0525	0.0214	0.4160	1.2200e-003	0.1521	6.4000e-004	0.1528	0.0404	5.9000e-004	0.0409		123.3184	123.3184	2.6600e-003	2.7200e-003	124.1952
Total	0.7191	36.4697	9.0563	0.1565	4.8527	0.2892	5.1419	1.3272	0.2767	1.6038		17,094.0280	17,094.0280	0.6825	2.6943	17,913.9953

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2467	9.1435	2.8114	0.0375	1.2888	0.0509	1.3397	0.3709	0.0487	0.4196		4,030.286 6	4,030.286 6	0.0980	0.5956	4,210.234 9
Worker	2.0510	0.8369	16.2637	0.0477	5.9487	0.0249	5.9736	1.5779	0.0229	1.6009		4,821.750 2	4,821.750 2	0.1040	0.1063	4,856.032 6
Total	2.2977	9.9804	19.0752	0.0852	7.2374	0.0758	7.3133	1.9488	0.0717	2.0205		8,852.036 8	8,852.036 8	0.2020	0.7020	9,066.267 5

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2467	9.1435	2.8114	0.0375	1.2888	0.0509	1.3397	0.3709	0.0487	0.4196		4,030.286 6	4,030.286 6	0.0980	0.5956	4,210.234 9
Worker	2.0510	0.8369	16.2637	0.0477	5.9487	0.0249	5.9736	1.5779	0.0229	1.6009		4,821.750 2	4,821.750 2	0.1040	0.1063	4,856.032 6
Total	2.2977	9.9804	19.0752	0.0852	7.2374	0.0758	7.3133	1.9488	0.0717	2.0205		8,852.036 8	8,852.036 8	0.2020	0.7020	9,066.267 5

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2395	8.9957	2.7723	0.0367	1.2887	0.0499	1.3385	0.3709	0.0477	0.4186		3,947.382 7	3,947.382 7	0.0961	0.5843	4,123.913 6
Worker	1.9391	0.7715	15.4654	0.0464	5.9487	0.0234	5.9720	1.5779	0.0215	1.5994		4,687.027 4	4,687.027 4	0.0956	0.1016	4,719.681 8
Total	2.1786	9.7672	18.2377	0.0831	7.2373	0.0732	7.3106	1.9488	0.0692	2.0180		8,634.410 0	8,634.410 0	0.1918	0.6859	8,843.595 4

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2395	8.9957	2.7723	0.0367	1.2887	0.0499	1.3385	0.3709	0.0477	0.4186		3,947.382 7	3,947.382 7	0.0961	0.5843	4,123.913 6
Worker	1.9391	0.7715	15.4654	0.0464	5.9487	0.0234	5.9720	1.5779	0.0215	1.5994		4,687.027 4	4,687.027 4	0.0956	0.1016	4,719.681 8
Total	2.1786	9.7672	18.2377	0.0831	7.2373	0.0732	7.3106	1.9488	0.0692	2.0180		8,634.410 0	8,634.410 0	0.1918	0.6859	8,843.595 4

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2328	8.8581	2.7385	0.0360	1.2886	0.0489	1.3374	0.3708	0.0467	0.4176		3,869.800 0	3,869.800 0	0.0944	0.5737	4,043.111 3
Worker	1.8299	0.7162	14.7764	0.0452	5.9487	0.0219	5.9705	1.5779	0.0201	1.5981		4,566.083 2	4,566.083 2	0.0883	0.0976	4,597.360 5
Total	2.0627	9.5743	17.5148	0.0812	7.2372	0.0707	7.3079	1.9488	0.0669	2.0156		8,435.883 2	8,435.883 2	0.1827	0.6712	8,640.471 7

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2328	8.8581	2.7385	0.0360	1.2886	0.0489	1.3374	0.3708	0.0467	0.4176		3,869.800 0	3,869.800 0	0.0944	0.5737	4,043.111 3
Worker	1.8299	0.7162	14.7764	0.0452	5.9487	0.0219	5.9705	1.5779	0.0201	1.5981		4,566.083 2	4,566.083 2	0.0883	0.0976	4,597.360 5
Total	2.0627	9.5743	17.5148	0.0812	7.2372	0.0707	7.3079	1.9488	0.0669	2.0156		8,435.883 2	8,435.883 2	0.1827	0.6712	8,640.471 7

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2268	8.7317	2.7118	0.0354	1.2885	0.0479	1.3363	0.3708	0.0458	0.4166		3,798.5278	3,798.5278	0.0929	0.5639	3,968.8812
Worker	1.7244	0.6696	14.1939	0.0441	5.9487	0.0205	5.9691	1.5779	0.0188	1.5968		4,458.2420	4,458.2420	0.0818	0.0942	4,488.3623
Total	1.9512	9.4013	16.9058	0.0795	7.2371	0.0683	7.3054	1.9487	0.0646	2.0133		8,256.7698	8,256.7698	0.1748	0.6581	8,457.2435

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2268	8.7317	2.7118	0.0354	1.2885	0.0479	1.3363	0.3708	0.0458	0.4166		3,798.5278	3,798.5278	0.0929	0.5639	3,968.8812
Worker	1.7244	0.6696	14.1939	0.0441	5.9487	0.0205	5.9691	1.5779	0.0188	1.5968		4,458.2420	4,458.2420	0.0818	0.0942	4,488.3623
Total	1.9512	9.4013	16.9058	0.0795	7.2371	0.0683	7.3054	1.9487	0.0646	2.0133		8,256.7698	8,256.7698	0.1748	0.6581	8,457.2435

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.4943					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.8789	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0331	0.0128	0.2723	8.5000e-004	0.1141	3.9000e-004	0.1145	0.0303	3.6000e-004	0.0306		85.5162	85.5162	1.5700e-003	1.8100e-003	86.0939
Total	0.0331	0.0128	0.2723	8.5000e-004	0.1141	3.9000e-004	0.1145	0.0303	3.6000e-004	0.0306		85.5162	85.5162	1.5700e-003	1.8100e-003	86.0939

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0281		0.0374	0.0374		0.0374	0.0374	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.4943					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7748	1.2154	17.2957	0.0281		0.0374	0.0374		0.0374	0.0374	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0331	0.0128	0.2723	8.5000e-004	0.1141	3.9000e-004	0.1145	0.0303	3.6000e-004	0.0306		85.5162	85.5162	1.5700e-003	1.8100e-003	86.0939
Total	0.0331	0.0128	0.2723	8.5000e-004	0.1141	3.9000e-004	0.1145	0.0303	3.6000e-004	0.0306		85.5162	85.5162	1.5700e-003	1.8100e-003	86.0939

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	232.5436					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	232.6744	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3440	0.1336	2.8315	8.8000e-003	1.1867	4.0800e-003	1.1908	0.3148	3.7500e-003	0.3185		889.3680	889.3680	0.0163	0.0188	895.3766
Total	0.3440	0.1336	2.8315	8.8000e-003	1.1867	4.0800e-003	1.1908	0.3148	3.7500e-003	0.3185		889.3680	889.3680	0.0163	0.0188	895.3766

Innovation Park PUD - Part 2 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	232.5436					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0114		281.7328
Total	232.5733	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0114		281.7328

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3440	0.1336	2.8315	8.8000e-003	1.1867	4.0800e-003	1.1908	0.3148	3.7500e-003	0.3185		889.3680	889.3680	0.0163	0.0188	895.3766
Total	0.3440	0.1336	2.8315	8.8000e-003	1.1867	4.0800e-003	1.1908	0.3148	3.7500e-003	0.3185		889.3680	889.3680	0.0163	0.0188	895.3766

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Innovation Park PUD - Part 3
Sacramento County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	91.50	1000sqft	1.83	91,476.00	0
Elementary School	65.30	1000sqft	1.50	65,340.00	0
General Light Industry	9.30	1000sqft	0.43	9,256.50	0
Parking Lot	435.60	1000sqft	10.00	435,600.00	0
City Park	1.80	Acre	1.80	78,408.00	0
Health Club	114.30	1000sqft	2.63	114,345.00	0
Hotel	38.00	Room	0.94	54,450.00	0
Apartments Mid Rise	424.00	Dwelling Unit	5.92	433,759.00	1132
Condo/townhouse	119.00	Dwelling Unit	4.58	118,500.00	318
Single Family Housing	77.00	Dwelling Unit	6.40	138,150.00	206
Strip Mall	49.50	1000sqft	0.96	49,549.50	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2034
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	357.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - One quarter build out, construction only

Land Use - 1/4 of land use

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Construction Phase - Adjusted for 4 year schedule

Trips and VMT -

Demolition -

Grading - Acre graded = site acreage

Architectural Coating -

Woodstoves -

Area Coating -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMPs

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	55.00	53.00
tblConstructionPhase	NumDays	740.00	784.00
tblConstructionPhase	NumDays	75.00	78.00
tblConstructionPhase	NumDays	55.00	53.00
tblConstructionPhase	NumDays	30.00	28.00
tblGrading	AcresOfGrading	234.00	37.00
tblGrading	AcresOfGrading	42.00	0.00
tblGrading	MaterialExported	0.00	56,930.00
tblGrading	MaterialImported	0.00	111,420.00
tblLandUse	LandUseSquareFeet	91,500.00	91,476.00
tblLandUse	LandUseSquareFeet	65,300.00	65,340.00
tblLandUse	LandUseSquareFeet	9,300.00	9,256.50
tblLandUse	LandUseSquareFeet	114,300.00	114,345.00
tblLandUse	LandUseSquareFeet	55,176.00	54,450.00
tblLandUse	LandUseSquareFeet	424,000.00	433,759.00
tblLandUse	LandUseSquareFeet	119,000.00	118,500.00
tblLandUse	LandUseSquareFeet	138,600.00	138,150.00
tblLandUse	LandUseSquareFeet	49,500.00	49,549.50

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblLandUse	LotAcreage	2.10	1.83
tblLandUse	LotAcreage	0.21	0.43
tblLandUse	LotAcreage	2.62	2.63
tblLandUse	LotAcreage	1.27	0.94
tblLandUse	LotAcreage	11.16	5.92
tblLandUse	LotAcreage	7.44	4.58
tblLandUse	LotAcreage	25.00	6.40
tblLandUse	LotAcreage	1.14	0.96

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	3.9513	48.0138	32.0579	0.2167	18.2032	0.7587	18.6403	9.9670	0.7470	10.4041	0.0000	23,249.4252	23,249.4252	0.9419	2.5281	24,026.3403
2031	3.9369	47.3995	32.5373	0.2140	11.8213	0.7533	12.5746	4.7583	0.7418	5.5001	0.0000	22,961.3652	22,961.3652	0.9317	2.4827	23,724.5077
2032	3.0558	17.0608	32.0910	0.1075	7.2370	0.2122	7.4492	1.9487	0.2088	2.1575	0.0000	10,854.2432	10,854.2432	0.2774	0.6365	11,050.8611
2033	2.9711	16.9556	31.7128	0.1063	7.2369	0.2105	7.4474	1.9487	0.2072	2.1558	0.0000	10,730.3327	10,730.3327	0.2719	0.6279	10,924.2374
2034	232.9482	16.8577	31.3777	0.1053	7.2369	0.3309	7.4457	1.9486	0.3309	2.1542	0.0000	10,619.7909	10,619.7909	0.2668	0.6201	10,811.2573
Maximum	232.9482	48.0138	32.5373	0.2167	18.2032	0.7587	18.6403	9.9670	0.7470	10.4041	0.0000	23,249.4252	23,249.4252	0.9419	2.5281	24,026.3403

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	28.0697	0.5889	51.0974	2.7100e-003		0.2840	0.2840		0.2840	0.2840	0.0000	92.2787	92.2787	0.0882	0.0000	94.4838
Energy	0.5017	4.4310	2.8786	0.0274		0.3466	0.3466		0.3466	0.3466		5,473.0161	5,473.0161	0.1049	0.1003	5,505.5395
Mobile	25.8947	20.2881	187.4716	0.3863	49.1254	0.2251	49.3504	13.0855	0.2102	13.2957		39,464.7359	39,464.7359	2.5945	1.8837	40,090.9302
Total	54.4661	25.3079	241.4476	0.4164	49.1254	0.8556	49.9810	13.0855	0.8408	13.9263	0.0000	45,030.0307	45,030.0307	2.7876	1.9840	45,690.9535

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	28.0697	0.5889	51.0974	2.7100e-003		0.2840	0.2840		0.2840	0.2840	0.0000	92.2787	92.2787	0.0882	0.0000	94.4838
Energy	0.5017	4.4310	2.8786	0.0274		0.3466	0.3466		0.3466	0.3466		5,473.0161	5,473.0161	0.1049	0.1003	5,505.5395
Mobile	25.8947	20.2881	187.4716	0.3863	49.1254	0.2251	49.3504	13.0855	0.2102	13.2957		39,464.7359	39,464.7359	2.5945	1.8837	40,090.9302
Total	54.4661	25.3079	241.4476	0.4164	49.1254	0.8556	49.9810	13.0855	0.8408	13.9263	0.0000	45,030.0307	45,030.0307	2.7876	1.9840	45,690.9535

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/1/2030	9/6/2030	5	50	
2	Site Preparation	Site Preparation	9/9/2030	10/16/2030	5	28	
3	Grading	Grading	10/17/2030	2/3/2031	5	78	
4	Building Construction	Building Construction	2/4/2031	2/3/2034	5	784	
5	Paving	Paving	2/6/2034	4/19/2034	5	53	
6	Architectural Coating	Architectural Coating	4/20/2034	7/3/2034	5	53	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 37

Acres of Paving: 10

Residential Indoor: 1,398,078; Residential Outdoor: 466,026; Non-Residential Indoor: 576,626; Non-Residential Outdoor: 192,209; Striped Parking Area: 26,136 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	973.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	21,044.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	782.00	214.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	156.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.3928	0.0000	4.3928	0.6651	0.0000	0.6651			0.0000			0.0000
Off-Road	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511		4,378.5819	4,378.5819	0.1847		4,383.2000
Total	2.0746	9.7770	18.9168	0.0462	4.3928	0.3511	4.7439	0.6651	0.3511	1.0162		4,378.5819	4,378.5819	0.1847		4,383.2000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0452	2.4632	0.6254	0.0105	0.3389	0.0195	0.3584	0.0928	0.0187	0.1114		1,148.4572	1,148.4572	0.0468	0.1822	1,203.9140
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0331	0.0128	0.2723	8.5000e-004	0.1141	3.9000e-004	0.1145	0.0303	3.6000e-004	0.0306		85.5162	85.5162	1.5700e-003	1.8100e-003	86.0939
Total	0.0783	2.4761	0.8977	0.0114	0.4530	0.0199	0.4729	0.1230	0.0190	0.1420		1,233.9734	1,233.9734	0.0483	0.1840	1,290.0079

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9768	0.0000	1.9768	0.2993	0.0000	0.2993			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0462		0.0616	0.0616		0.0616	0.0616	0.0000	4,378.5819	4,378.5819	0.1847		4,383.2000
Total	0.4623	2.0032	23.2798	0.0462	1.9768	0.0616	2.0384	0.2993	0.0616	0.3610	0.0000	4,378.5819	4,378.5819	0.1847		4,383.2000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0452	2.4632	0.6254	0.0105	0.3389	0.0195	0.3584	0.0928	0.0187	0.1114		1,148.4572	1,148.4572	0.0468	0.1822	1,203.9140
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0331	0.0128	0.2723	8.5000e-004	0.1141	3.9000e-004	0.1145	0.0303	3.6000e-004	0.0306		85.5162	85.5162	1.5700e-003	1.8100e-003	86.0939
Total	0.0783	2.4761	0.8977	0.0114	0.4530	0.0199	0.4729	0.1230	0.0190	0.1420		1,233.9734	1,233.9734	0.0483	0.1840	1,290.0079

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367		4,409.7537	4,409.7537	0.2176		4,415.1936
Total	2.4399	13.6680	16.2918	0.0466	18.0663	0.4367	18.5029	9.9307	0.4367	10.3673		4,409.7537	4,409.7537	0.2176		4,415.1936

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0397	0.0154	0.3267	1.0200e-003	0.1369	4.7000e-004	0.1374	0.0363	4.3000e-004	0.0368		102.6194	102.6194	1.8800e-003	2.1700e-003	103.3127
Total	0.0397	0.0154	0.3267	1.0200e-003	0.1369	4.7000e-004	0.1374	0.0363	4.3000e-004	0.0368		102.6194	102.6194	1.8800e-003	2.1700e-003	103.3127

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0466		0.0621	0.0621		0.0621	0.0621	0.0000	4,409.7537	4,409.7537	0.2176		4,415.1936
Total	0.4656	2.0175	20.8690	0.0466	8.1298	0.0621	8.1919	4.4688	0.0621	4.5309	0.0000	4,409.7537	4,409.7537	0.2176		4,415.1936

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0397	0.0154	0.3267	1.0200e-003	0.1369	4.7000e-004	0.1374	0.0363	4.3000e-004	0.0368		102.6194	102.6194	1.8800e-003	2.1700e-003	103.3127
Total	0.0397	0.0154	0.3267	1.0200e-003	0.1369	4.7000e-004	0.1374	0.0363	4.3000e-004	0.0368		102.6194	102.6194	1.8800e-003	2.1700e-003	103.3127

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.9715	0.0000	6.9715	3.4321	0.0000	3.4321			0.0000			0.0000
Off-Road	3.2807	13.8462	23.0239	0.0699		0.4879	0.4879		0.4879	0.4879		7,213.1086	7,213.1086	0.2915		7,220.3963
Total	3.2807	13.8462	23.0239	0.0699	6.9715	0.4879	7.4594	3.4321	0.4879	3.9201		7,213.1086	7,213.1086	0.2915		7,220.3963

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6266	34.1505	8.6710	0.1456	4.6983	0.2702	4.9685	1.2860	0.2585	1.5445		15,922.2951	15,922.2951	0.6483	2.5257	16,691.1522
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0441	0.0171	0.3630	1.1300e-003	0.1521	5.2000e-004	0.1527	0.0404	4.8000e-004	0.0408		114.0215	114.0215	2.0900e-003	2.4100e-003	114.7919
Total	0.6707	34.1676	9.0340	0.1467	4.8504	0.2708	5.1212	1.3263	0.2590	1.5854		16,036.3167	16,036.3167	0.6504	2.5281	16,805.9440

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1372	0.0000	3.1372	1.5445	0.0000	1.5445			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0699		0.1015	0.1015		0.1015	0.1015	0.0000	7,213.1086	7,213.1086	0.2915		7,220.3963
Total	0.7616	3.3000	32.9991	0.0699	3.1372	0.1015	3.2387	1.5445	0.1015	1.6460	0.0000	7,213.1086	7,213.1086	0.2915		7,220.3963

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6266	34.1505	8.6710	0.1456	4.6983	0.2702	4.9685	1.2860	0.2585	1.5445		15,922.2951	15,922.2951	0.6483	2.5257	16,691.1522
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0441	0.0171	0.3630	1.1300e-003	0.1521	5.2000e-004	0.1527	0.0404	4.8000e-004	0.0408		114.0215	114.0215	2.0900e-003	2.4100e-003	114.7919
Total	0.6707	34.1676	9.0340	0.1467	4.8504	0.2708	5.1212	1.3263	0.2590	1.5854		16,036.3167	16,036.3167	0.6504	2.5281	16,805.9440

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.9715	0.0000	6.9715	3.4321	0.0000	3.4321			0.0000			0.0000
Off-Road	3.2807	13.8462	23.0239	0.0699		0.4879	0.4879		0.4879	0.4879		7,213.1086	7,213.1086	0.2915		7,220.3963
Total	3.2807	13.8462	23.0239	0.0699	6.9715	0.4879	7.4594	3.4321	0.4879	3.9201		7,213.1086	7,213.1086	0.2915		7,220.3963

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6147	33.5372	8.6792	0.1430	4.6977	0.2649	4.9626	1.2858	0.2535	1.5392		15,636.6844	15,636.6844	0.6382	2.4804	16,391.7939
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0415	0.0161	0.3501	1.1000e-003	0.1521	4.9000e-004	0.1526	0.0404	4.5000e-004	0.0408		111.5723	111.5723	1.9500e-003	2.3400e-003	112.3175
Total	0.6562	33.5533	9.0293	0.1441	4.8498	0.2654	5.1152	1.3261	0.2539	1.5800		15,748.2566	15,748.2566	0.6402	2.4827	16,504.1114

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1372	0.0000	3.1372	1.5445	0.0000	1.5445			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0699		0.1015	0.1015		0.1015	0.1015	0.0000	7,213.1086	7,213.1086	0.2915		7,220.3963
Total	0.7616	3.3000	32.9991	0.0699	3.1372	0.1015	3.2387	1.5445	0.1015	1.6460	0.0000	7,213.1086	7,213.1086	0.2915		7,220.3963

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6147	33.5372	8.6792	0.1430	4.6977	0.2649	4.9626	1.2858	0.2535	1.5392		15,636.6844	15,636.6844	0.6382	2.4804	16,391.7939
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0415	0.0161	0.3501	1.1000e-003	0.1521	4.9000e-004	0.1526	0.0404	4.5000e-004	0.0408		111.5723	111.5723	1.9500e-003	2.3400e-003	112.3175
Total	0.6562	33.5533	9.0293	0.1441	4.8498	0.2654	5.1152	1.3261	0.2539	1.5800		15,748.2566	15,748.2566	0.6402	2.4827	16,504.1114

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2217	8.6228	2.6934	0.0348	1.2884	0.0470	1.3353	0.3708	0.0449	0.4157		3,734.8448	3,734.8448	0.0914	0.5551	3,902.5528
Worker	1.6232	0.6296	13.6869	0.0432	5.9487	0.0191	5.9678	1.5779	0.0176	1.5955		4,362.4749	4,362.4749	0.0761	0.0914	4,391.6123
Total	1.8449	9.2525	16.3803	0.0779	7.2371	0.0661	7.3031	1.9487	0.0625	2.0112		8,097.3197	8,097.3197	0.1675	0.6465	8,294.1651

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2217	8.6228	2.6934	0.0348	1.2884	0.0470	1.3353	0.3708	0.0449	0.4157		3,734.8448	3,734.8448	0.0914	0.5551	3,902.5528
Worker	1.6232	0.6296	13.6869	0.0432	5.9487	0.0191	5.9678	1.5779	0.0176	1.5955		4,362.4749	4,362.4749	0.0761	0.0914	4,391.6123
Total	1.8449	9.2525	16.3803	0.0779	7.2371	0.0661	7.3031	1.9487	0.0625	2.0112		8,097.3197	8,097.3197	0.1675	0.6465	8,294.1651

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2174	8.5295	2.6818	0.0342	1.2883	0.0462	1.3345	0.3707	0.0442	0.4149		3,678.8481	3,678.8481	0.0901	0.5474	3,844.2354
Worker	1.5293	0.5967	13.2523	0.0423	5.9487	0.0179	5.9666	1.5779	0.0165	1.5944		4,277.8484	4,277.8484	0.0710	0.0891	4,306.1728
Total	1.7466	9.1262	15.9340	0.0766	7.2370	0.0641	7.3011	1.9487	0.0607	2.0093		7,956.6965	7,956.6965	0.1611	0.6365	8,150.4082

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2174	8.5295	2.6818	0.0342	1.2883	0.0462	1.3345	0.3707	0.0442	0.4149		3,678.8481	3,678.8481	0.0901	0.5474	3,844.2354
Worker	1.5293	0.5967	13.2523	0.0423	5.9487	0.0179	5.9666	1.5779	0.0165	1.5944		4,277.8484	4,277.8484	0.0710	0.0891	4,306.1728
Total	1.7466	9.1262	15.9340	0.0766	7.2370	0.0641	7.3011	1.9487	0.0607	2.0093		7,956.6965	7,956.6965	0.1611	0.6365	8,150.4082

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2137	8.4507	2.6741	0.0338	1.2883	0.0456	1.3338	0.3707	0.0436	0.4143		3,629.3202	3,629.3202	0.0890	0.5407	3,792.6581
Worker	1.4482	0.5703	12.8818	0.0416	5.9487	0.0168	5.9655	1.5779	0.0155	1.5934		4,203.4657	4,203.4657	0.0666	0.0872	4,231.1265
Total	1.6620	9.0210	15.5558	0.0754	7.2369	0.0623	7.2993	1.9487	0.0590	2.0077		7,832.7859	7,832.7859	0.1556	0.6279	8,023.7846

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2137	8.4507	2.6741	0.0338	1.2883	0.0456	1.3338	0.3707	0.0436	0.4143		3,629.3202	3,629.3202	0.0890	0.5407	3,792.6581
Worker	1.4482	0.5703	12.8818	0.0416	5.9487	0.0168	5.9655	1.5779	0.0155	1.5934		4,203.4657	4,203.4657	0.0666	0.0872	4,231.1265
Total	1.6620	9.0210	15.5558	0.0754	7.2369	0.0623	7.2993	1.9487	0.0590	2.0077		7,832.7859	7,832.7859	0.1556	0.6279	8,023.7846

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2104	8.3747	2.6680	0.0334	1.2882	0.0449	1.3331	0.3707	0.0430	0.4137		3,584.0006	3,584.0006	0.0879	0.5344	3,745.4549
Worker	1.3726	0.5483	12.5527	0.0409	5.9487	0.0158	5.9644	1.5779	0.0145	1.5925		4,138.2436	4,138.2436	0.0627	0.0857	4,165.3495
Total	1.5831	8.9230	15.2208	0.0743	7.2369	0.0607	7.2976	1.9486	0.0575	2.0061		7,722.2442	7,722.2442	0.1506	0.6201	7,910.8045

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2104	8.3747	2.6680	0.0334	1.2882	0.0449	1.3331	0.3707	0.0430	0.4137		3,584.0006	3,584.0006	0.0879	0.5344	3,745.4549
Worker	1.3726	0.5483	12.5527	0.0409	5.9487	0.0158	5.9644	1.5779	0.0145	1.5925		4,138.2436	4,138.2436	0.0627	0.0857	4,165.3495
Total	1.5831	8.9230	15.2208	0.0743	7.2369	0.0607	7.2976	1.9486	0.0575	2.0061		7,722.2442	7,722.2442	0.1506	0.6201	7,910.8045

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.4943					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.8789	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0263	0.0105	0.2408	7.9000e-004	0.1141	3.0000e-004	0.1144	0.0303	2.8000e-004	0.0306		79.3781	79.3781	1.2000e-003	1.6400e-003	79.8980
Total	0.0263	0.0105	0.2408	7.9000e-004	0.1141	3.0000e-004	0.1144	0.0303	2.8000e-004	0.0306		79.3781	79.3781	1.2000e-003	1.6400e-003	79.8980

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0281		0.0374	0.0374		0.0374	0.0374	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.4943					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7748	1.2154	17.2957	0.0281		0.0374	0.0374		0.0374	0.0374	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0263	0.0105	0.2408	7.9000e-004	0.1141	3.0000e-004	0.1144	0.0303	2.8000e-004	0.0306		79.3781	79.3781	1.2000e-003	1.6400e-003	79.8980
Total	0.0263	0.0105	0.2408	7.9000e-004	0.1141	3.0000e-004	0.1144	0.0303	2.8000e-004	0.0306		79.3781	79.3781	1.2000e-003	1.6400e-003	79.8980

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	232.5436					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	232.6744	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2738	0.1094	2.5041	8.1700e-003	1.1867	3.1500e-003	1.1898	0.3148	2.8900e-003	0.3177		825.5320	825.5320	0.0125	0.0171	830.9393
Total	0.2738	0.1094	2.5041	8.1700e-003	1.1867	3.1500e-003	1.1898	0.3148	2.8900e-003	0.3177		825.5320	825.5320	0.0125	0.0171	830.9393

Innovation Park PUD - Part 3 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	232.5436					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0114		281.7328
Total	232.5733	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0114		281.7328

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2738	0.1094	2.5041	8.1700e-003	1.1867	3.1500e-003	1.1898	0.3148	2.8900e-003	0.3177		825.5320	825.5320	0.0125	0.0171	830.9393
Total	0.2738	0.1094	2.5041	8.1700e-003	1.1867	3.1500e-003	1.1898	0.3148	2.8900e-003	0.3177		825.5320	825.5320	0.0125	0.0171	830.9393

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Innovation Park PUD - Part 4
Sacramento County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	91.50	1000sqft	1.83	91,476.00	0
Elementary School	65.30	1000sqft	1.50	65,340.00	0
General Light Industry	9.30	1000sqft	0.43	9,256.50	0
Parking Lot	435.60	1000sqft	10.00	435,600.00	0
City Park	1.80	Acre	1.80	78,408.00	0
Health Club	114.30	1000sqft	2.63	114,345.00	0
Hotel	38.00	Room	0.94	54,450.00	0
Apartments Mid Rise	424.00	Dwelling Unit	5.92	433,759.00	1132
Condo/townhouse	119.00	Dwelling Unit	4.58	118,500.00	318
Single Family Housing	77.00	Dwelling Unit	6.40	138,150.00	206
Strip Mall	49.50	1000sqft	0.96	49,549.50	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2040
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	357.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - One quarter build out, construction only

Land Use - 1/4 of land use

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Construction Phase - Adjusted for 4 year schedule

Trips and VMT -

Demolition -

Grading - Acre graded = site acreage

Architectural Coating -

Woodstoves -

Area Coating -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMPs

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	55.00	53.00
tblConstructionPhase	NumDays	740.00	784.00
tblConstructionPhase	NumDays	75.00	78.00
tblConstructionPhase	NumDays	55.00	53.00
tblConstructionPhase	NumDays	30.00	28.00
tblGrading	AcresOfGrading	234.00	37.00
tblGrading	AcresOfGrading	42.00	0.00
tblGrading	MaterialExported	0.00	56,930.00
tblGrading	MaterialImported	0.00	111,420.00
tblLandUse	LandUseSquareFeet	91,500.00	91,476.00
tblLandUse	LandUseSquareFeet	65,300.00	65,340.00
tblLandUse	LandUseSquareFeet	9,300.00	9,256.50
tblLandUse	LandUseSquareFeet	114,300.00	114,345.00
tblLandUse	LandUseSquareFeet	55,176.00	54,450.00
tblLandUse	LandUseSquareFeet	424,000.00	433,759.00
tblLandUse	LandUseSquareFeet	119,000.00	118,500.00
tblLandUse	LandUseSquareFeet	138,600.00	138,150.00
tblLandUse	LandUseSquareFeet	49,500.00	49,549.50

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblLandUse	LotAcreage	2.10	1.83
tblLandUse	LotAcreage	0.21	0.43
tblLandUse	LotAcreage	2.62	2.63
tblLandUse	LotAcreage	1.27	0.94
tblLandUse	LotAcreage	11.16	5.92
tblLandUse	LotAcreage	7.44	4.58
tblLandUse	LotAcreage	25.00	6.40
tblLandUse	LotAcreage	1.14	0.96

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2034	3.9040	45.9687	32.0559	0.2078	18.2032	0.7408	18.6402	9.9670	0.7299	10.4040	0.0000	22,276.94 19	22,276.94 19	0.9071	2.3748	23,007.31 01
2035	3.5264	41.3385	31.5558	0.2061	11.8196	0.5637	12.3833	4.7576	0.5529	5.3105	0.0000	22,095.03 73	22,095.03 73	0.8658	2.3461	22,815.81 43
2036	2.7276	16.0000	31.0516	0.1043	7.2368	0.1496	7.3864	1.9486	0.1465	2.0951	0.0000	10,522.77 81	10,522.77 81	0.2542	0.6134	10,711.914 0
2037	2.7276	16.0000	31.0516	0.1043	7.2368	0.1496	7.3864	1.9486	0.1465	2.0951	0.0000	10,522.77 81	10,522.77 81	0.2542	0.6134	10,711.914 0
2038	232.9215	16.0000	31.0516	0.1043	7.2368	0.1877	7.3864	1.9486	0.1877	2.0951	0.0000	10,522.77 81	10,522.77 81	0.2542	0.6134	10,711.914 0
Maximum	232.9215	45.9687	32.0559	0.2078	18.2032	0.7408	18.6402	9.9670	0.7299	10.4040	0.0000	22,276.94 19	22,276.94 19	0.9071	2.3748	23,007.31 01

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	28.0669	0.5886	51.0078	2.7100e-003		0.2840	0.2840		0.2840	0.2840	0.0000	92.2787	92.2787	0.0881	0.0000	94.4817
Energy	0.5017	4.4310	2.8786	0.0274		0.3466	0.3466		0.3466	0.3466		5,473.0161	5,473.0161	0.1049	0.1003	5,505.5395
Mobile	22.3717	18.0706	175.4633	0.3622	49.0956	0.1769	49.2726	13.0730	0.1653	13.2383		37,014.7853	37,014.7853	2.4281	1.7726	37,603.7354
Total	50.9403	23.0901	229.3497	0.3923	49.0956	0.8075	49.9031	13.0730	0.7959	13.8689	0.0000	42,580.0801	42,580.0801	2.6211	1.8730	43,203.7566

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	28.0669	0.5886	51.0078	2.7100e-003		0.2840	0.2840		0.2840	0.2840	0.0000	92.2787	92.2787	0.0881	0.0000	94.4817
Energy	0.5017	4.4310	2.8786	0.0274		0.3466	0.3466		0.3466	0.3466		5,473.0161	5,473.0161	0.1049	0.1003	5,505.5395
Mobile	22.3717	18.0706	175.4633	0.3622	49.0956	0.1769	49.2726	13.0730	0.1653	13.2383		37,014.7853	37,014.7853	2.4281	1.7726	37,603.7354
Total	50.9403	23.0901	229.3497	0.3923	49.0956	0.8075	49.9031	13.0730	0.7959	13.8689	0.0000	42,580.0801	42,580.0801	2.6211	1.8730	43,203.7566

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/3/2034	9/8/2034	5	50	
2	Site Preparation	Site Preparation	9/11/2034	10/18/2034	5	28	
3	Grading	Grading	10/19/2034	2/5/2035	5	78	
4	Building Construction	Building Construction	2/6/2035	2/5/2038	5	784	
5	Paving	Paving	2/8/2038	4/21/2038	5	53	
6	Architectural Coating	Architectural Coating	4/22/2038	7/5/2038	5	53	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 37

Acres of Paving: 10

Residential Indoor: 1,398,078; Residential Outdoor: 466,026; Non-Residential Indoor: 576,626; Non-Residential Outdoor: 192,209; Striped Parking Area: 26,136 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	973.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	21,044.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	782.00	214.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	156.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.3928	0.0000	4.3928	0.6651	0.0000	0.6651			0.0000			0.0000
Off-Road	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511		4,378.5819	4,378.5819	0.1847		4,383.2000
Total	2.0746	9.7770	18.9168	0.0462	4.3928	0.3511	4.7439	0.6651	0.3511	1.0162		4,378.5819	4,378.5819	0.1847		4,383.2000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0424	2.3160	0.6283	9.8700e-003	0.3387	0.0182	0.3570	0.0927	0.0174	0.1101		1,078.9034	1,078.9034	0.0443	0.1711	1,131.0084
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0263	0.0105	0.2408	7.9000e-004	0.1141	3.0000e-004	0.1144	0.0303	2.8000e-004	0.0306		79.3781	79.3781	1.2000e-003	1.6400e-003	79.8980
Total	0.0688	2.3265	0.8691	0.0107	0.4528	0.0185	0.4714	0.1230	0.0177	0.1407		1,158.2815	1,158.2815	0.0455	0.1728	1,210.9064

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9768	0.0000	1.9768	0.2993	0.0000	0.2993			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0462		0.0616	0.0616		0.0616	0.0616	0.0000	4,378.5819	4,378.5819	0.1847		4,383.2000
Total	0.4623	2.0032	23.2798	0.0462	1.9768	0.0616	2.0384	0.2993	0.0616	0.3610	0.0000	4,378.5819	4,378.5819	0.1847		4,383.2000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0424	2.3160	0.6283	9.8700e-003	0.3387	0.0182	0.3570	0.0927	0.0174	0.1101		1,078.9034	1,078.9034	0.0443	0.1711	1,131.0084
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0263	0.0105	0.2408	7.9000e-004	0.1141	3.0000e-004	0.1144	0.0303	2.8000e-004	0.0306		79.3781	79.3781	1.2000e-003	1.6400e-003	79.8980
Total	0.0688	2.3265	0.8691	0.0107	0.4528	0.0185	0.4714	0.1230	0.0177	0.1407		1,158.2815	1,158.2815	0.0455	0.1728	1,210.9064

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367		4,409.7537	4,409.7537	0.2176		4,415.1936
Total	2.4399	13.6680	16.2918	0.0466	18.0663	0.4367	18.5029	9.9307	0.4367	10.3673		4,409.7537	4,409.7537	0.2176		4,415.1936

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0316	0.0126	0.2889	9.4000e-004	0.1369	3.6000e-004	0.1373	0.0363	3.3000e-004	0.0367		95.2537	95.2537	1.4400e-003	1.9700e-003	95.8776
Total	0.0316	0.0126	0.2889	9.4000e-004	0.1369	3.6000e-004	0.1373	0.0363	3.3000e-004	0.0367		95.2537	95.2537	1.4400e-003	1.9700e-003	95.8776

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0466		0.0621	0.0621		0.0621	0.0621	0.0000	4,409.7537	4,409.7537	0.2176		4,415.1936
Total	0.4656	2.0175	20.8690	0.0466	8.1298	0.0621	8.1919	4.4688	0.0621	4.5309	0.0000	4,409.7537	4,409.7537	0.2176		4,415.1936

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0316	0.0126	0.2889	9.4000e-004	0.1369	3.6000e-004	0.1373	0.0363	3.3000e-004	0.0367		95.2537	95.2537	1.4400e-003	1.9700e-003	95.8776
Total	0.0316	0.0126	0.2889	9.4000e-004	0.1369	3.6000e-004	0.1373	0.0363	3.3000e-004	0.0367		95.2537	95.2537	1.4400e-003	1.9700e-003	95.8776

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.9715	0.0000	6.9715	3.4321	0.0000	3.4321			0.0000			0.0000
Off-Road	3.2807	13.8462	23.0239	0.0699		0.4879	0.4879		0.4879	0.4879		7,213.1086	7,213.1086	0.2915		7,220.3963
Total	3.2807	13.8462	23.0239	0.0699	6.9715	0.4879	7.4594	3.4321	0.4879	3.9201		7,213.1086	7,213.1086	0.2915		7,220.3963

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5882	32.1085	8.7110	0.1368	4.6963	0.2525	4.9488	1.2853	0.2416	1.5269		14,957.9959	14,957.9959	0.6140	2.3726	15,680.3831
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0351	0.0140	0.3210	1.0500e-003	0.1521	4.0000e-004	0.1525	0.0404	3.7000e-004	0.0407		105.8374	105.8374	1.6000e-003	2.1900e-003	106.5307
Total	0.6233	32.1226	9.0320	0.1378	4.8485	0.2529	5.1014	1.3256	0.2420	1.5676		15,063.8333	15,063.8333	0.6156	2.3748	15,786.9138

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1372	0.0000	3.1372	1.5445	0.0000	1.5445			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0699		0.1015	0.1015		0.1015	0.1015	0.0000	7,213.1086	7,213.1086	0.2915		7,220.3963
Total	0.7616	3.3000	32.9991	0.0699	3.1372	0.1015	3.2387	1.5445	0.1015	1.6460	0.0000	7,213.1086	7,213.1086	0.2915		7,220.3963

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5882	32.1085	8.7110	0.1368	4.6963	0.2525	4.9488	1.2853	0.2416	1.5269		14,957.9959	14,957.9959	0.6140	2.3726	15,680.3831
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0351	0.0140	0.3210	1.0500e-003	0.1521	4.0000e-004	0.1525	0.0404	3.7000e-004	0.0407		105.8374	105.8374	1.6000e-003	2.1900e-003	106.5307
Total	0.6233	32.1226	9.0320	0.1378	4.8485	0.2529	5.1014	1.3256	0.2420	1.5676		15,063.8333	15,063.8333	0.6156	2.3748	15,786.9138

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.9715	0.0000	6.9715	3.4321	0.0000	3.4321			0.0000			0.0000
Off-Road	2.9116	9.5942	22.5250	0.0699		0.3142	0.3142		0.3142	0.3142		7,213.1148	7,213.1148	0.2560		7,219.5135
Total	2.9116	9.5942	22.5250	0.0699	6.9715	0.3142	7.2857	3.4321	0.3142	3.7464		7,213.1148	7,213.1148	0.2560		7,219.5135

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5815	31.7307	8.7169	0.1351	4.6960	0.2491	4.9450	1.2851	0.2383	1.5235		14,777.5355	14,777.5355	0.6083	2.3439	15,491.2319
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0333	0.0136	0.3138	1.0300e-003	0.1521	3.8000e-004	0.1525	0.0404	3.5000e-004	0.0407		104.3871	104.3871	1.5100e-003	2.1600e-003	105.0689
Total	0.6148	31.7443	9.0308	0.1362	4.8481	0.2495	5.0976	1.3255	0.2387	1.5642		14,881.9226	14,881.9226	0.6098	2.3461	15,596.3008

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1372	0.0000	3.1372	1.5445	0.0000	1.5445			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0699		0.1015	0.1015		0.1015	0.1015	0.0000	7,213.1148	7,213.1148	0.2560		7,219.5135
Total	0.7616	3.3000	32.9991	0.0699	3.1372	0.1015	3.2387	1.5445	0.1015	1.6460	0.0000	7,213.1148	7,213.1148	0.2560		7,219.5135

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5815	31.7307	8.7169	0.1351	4.6960	0.2491	4.9450	1.2851	0.2383	1.5235		14,777.5355	14,777.5355	0.6083	2.3439	15,491.2319
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0333	0.0136	0.3138	1.0300e-003	0.1521	3.8000e-004	0.1525	0.0404	3.5000e-004	0.0407		104.3871	104.3871	1.5100e-003	2.1600e-003	105.0689
Total	0.6148	31.7443	9.0308	0.1362	4.8481	0.2495	5.0976	1.3255	0.2387	1.5642		14,881.9226	14,881.9226	0.6098	2.3461	15,596.3008

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2075	8.3078	2.6632	0.0330	1.2882	0.0443	1.3325	0.3707	0.0424	0.4131		3,543.6957	3,543.6957	0.0870	0.5289	3,703.4749
Worker	1.3033	0.5310	12.2706	0.0404	5.9487	0.0149	5.9635	1.5779	0.0137	1.5916		4,081.5357	4,081.5357	0.0592	0.0845	4,108.1943
Total	1.5108	8.8387	14.9338	0.0734	7.2368	0.0592	7.2960	1.9486	0.0561	2.0047		7,625.2314	7,625.2314	0.1463	0.6134	7,811.6692

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2075	8.3078	2.6632	0.0330	1.2882	0.0443	1.3325	0.3707	0.0424	0.4131		3,543.6957	3,543.6957	0.0870	0.5289	3,703.4749
Worker	1.3033	0.5310	12.2706	0.0404	5.9487	0.0149	5.9635	1.5779	0.0137	1.5916		4,081.5357	4,081.5357	0.0592	0.0845	4,108.1943
Total	1.5108	8.8387	14.9338	0.0734	7.2368	0.0592	7.2960	1.9486	0.0561	2.0047		7,625.2314	7,625.2314	0.1463	0.6134	7,811.6692

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2075	8.3078	2.6632	0.0330	1.2882	0.0443	1.3325	0.3707	0.0424	0.4131		3,543.6957	3,543.6957	0.0870	0.5289	3,703.4749
Worker	1.3033	0.5310	12.2706	0.0404	5.9487	0.0149	5.9635	1.5779	0.0137	1.5916		4,081.5357	4,081.5357	0.0592	0.0845	4,108.1943
Total	1.5108	8.8387	14.9338	0.0734	7.2368	0.0592	7.2960	1.9486	0.0561	2.0047		7,625.2314	7,625.2314	0.1463	0.6134	7,811.6692

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2075	8.3078	2.6632	0.0330	1.2882	0.0443	1.3325	0.3707	0.0424	0.4131		3,543.6957	3,543.6957	0.0870	0.5289	3,703.4749
Worker	1.3033	0.5310	12.2706	0.0404	5.9487	0.0149	5.9635	1.5779	0.0137	1.5916		4,081.5357	4,081.5357	0.0592	0.0845	4,108.1943
Total	1.5108	8.8387	14.9338	0.0734	7.2368	0.0592	7.2960	1.9486	0.0561	2.0047		7,625.2314	7,625.2314	0.1463	0.6134	7,811.6692

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2037

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2075	8.3078	2.6632	0.0330	1.2882	0.0443	1.3325	0.3707	0.0424	0.4131		3,543.6957	3,543.6957	0.0870	0.5289	3,703.4749
Worker	1.3033	0.5310	12.2706	0.0404	5.9487	0.0149	5.9635	1.5779	0.0137	1.5916		4,081.5357	4,081.5357	0.0592	0.0845	4,108.1943
Total	1.5108	8.8387	14.9338	0.0734	7.2368	0.0592	7.2960	1.9486	0.0561	2.0047		7,625.2314	7,625.2314	0.1463	0.6134	7,811.6692

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2037

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2075	8.3078	2.6632	0.0330	1.2882	0.0443	1.3325	0.3707	0.0424	0.4131		3,543.6957	3,543.6957	0.0870	0.5289	3,703.4749
Worker	1.3033	0.5310	12.2706	0.0404	5.9487	0.0149	5.9635	1.5779	0.0137	1.5916		4,081.5357	4,081.5357	0.0592	0.0845	4,108.1943
Total	1.5108	8.8387	14.9338	0.0734	7.2368	0.0592	7.2960	1.9486	0.0561	2.0047		7,625.2314	7,625.2314	0.1463	0.6134	7,811.6692

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2075	8.3078	2.6632	0.0330	1.2882	0.0443	1.3325	0.3707	0.0424	0.4131		3,543.6957	3,543.6957	0.0870	0.5289	3,703.4749
Worker	1.3033	0.5310	12.2706	0.0404	5.9487	0.0149	5.9635	1.5779	0.0137	1.5916		4,081.5357	4,081.5357	0.0592	0.0845	4,108.1943
Total	1.5108	8.8387	14.9338	0.0734	7.2368	0.0592	7.2960	1.9486	0.0561	2.0047		7,625.2314	7,625.2314	0.1463	0.6134	7,811.6692

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2038

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2075	8.3078	2.6632	0.0330	1.2882	0.0443	1.3325	0.3707	0.0424	0.4131		3,543.6957	3,543.6957	0.0870	0.5289	3,703.4749
Worker	1.3033	0.5310	12.2706	0.0404	5.9487	0.0149	5.9635	1.5779	0.0137	1.5916		4,081.5357	4,081.5357	0.0592	0.0845	4,108.1943
Total	1.5108	8.8387	14.9338	0.0734	7.2368	0.0592	7.2960	1.9486	0.0561	2.0047		7,625.2314	7,625.2314	0.1463	0.6134	7,811.6692

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.5168	2,656.5168	0.1022		2,659.0727
Paving	0.4943					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6349	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.5168	2,656.5168	0.1022		2,659.0727

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0250	0.0102	0.2354	7.7000e-004	0.1141	2.8000e-004	0.1144	0.0303	2.6000e-004	0.0305		78.2903	78.2903	1.1400e-003	1.6200e-003	78.8017
Total	0.0250	0.0102	0.2354	7.7000e-004	0.1141	2.8000e-004	0.1144	0.0303	2.6000e-004	0.0305		78.2903	78.2903	1.1400e-003	1.6200e-003	78.8017

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2038

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0281		0.0374	0.0374		0.0374	0.0374	0.0000	2,656.5168	2,656.5168	0.1022		2,659.0726
Paving	0.4943					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7748	1.2154	17.2957	0.0281		0.0374	0.0374		0.0374	0.0374	0.0000	2,656.5168	2,656.5168	0.1022		2,659.0726

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0250	0.0102	0.2354	7.7000e-004	0.1141	2.8000e-004	0.1144	0.0303	2.6000e-004	0.0305		78.2903	78.2903	1.1400e-003	1.6200e-003	78.8017
Total	0.0250	0.0102	0.2354	7.7000e-004	0.1141	2.8000e-004	0.1144	0.0303	2.6000e-004	0.0305		78.2903	78.2903	1.1400e-003	1.6200e-003	78.8017

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	232.5436					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.7081
Total	232.6615	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.7081

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2600	0.1059	2.4479	8.0600e-003	1.1867	2.9600e-003	1.1897	0.3148	2.7300e-003	0.3175		814.2194	814.2194	0.0118	0.0169	819.5375
Total	0.2600	0.1059	2.4479	8.0600e-003	1.1867	2.9600e-003	1.1897	0.3148	2.7300e-003	0.3175		814.2194	814.2194	0.0118	0.0169	819.5375

Innovation Park PUD - Part 4 - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2038

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	232.5436					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0104		281.7081
Total	232.5733	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0104		281.7081

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2600	0.1059	2.4479	8.0600e-003	1.1867	2.9600e-003	1.1897	0.3148	2.7300e-003	0.3175		814.2194	814.2194	0.0118	0.0169	819.5375
Total	0.2600	0.1059	2.4479	8.0600e-003	1.1867	2.9600e-003	1.1897	0.3148	2.7300e-003	0.3175		814.2194	814.2194	0.0118	0.0169	819.5375

C1 -2 CalEEMod Construction
Outputs
(CNU Medical Center)

Innovation Park - CNU Phase 1A - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Innovation Park - CNU Phase 1A

Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	730.00	1000sqft	16.76	730,000.00	0
General Light Industry	30.00	1000sqft	0.69	30,000.00	0
Enclosed Parking with Elevator	200.00	Space	1.80	80,000.00	0
Parking Lot	837.00	Space	7.53	334,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2026
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	357.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - CNU Phase 1A Construction only
- Land Use - Phase 1A: M1 and M2 + Parking
- Construction Phase - Demolition part of the PUD
- Trips and VMT - Use 7 CY Truck capacity
- Grading - Material import for 20' above grade work
- Construction Off-road Equipment Mitigation - MM Scenario of T4f + Dust BMPs
- Stationary Sources - Process Boilers -

Innovation Park - CNU Phase 1A - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	48.00
tblConstructionPhase	NumDays	440.00	771.00

Innovation Park - CNU Phase 1A - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	45.00	107.00
tblConstructionPhase	NumDays	35.00	61.00
tblConstructionPhase	NumDays	35.00	61.00
tblGrading	MaterialImported	0.00	114,286.00
tblTripsAndVMT	HaulingTripNumber	11,300.00	16,327.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.6425	7.0765	5.3017	0.0187	1.5263	0.2295	1.7558	0.5912	0.2136	0.8048	0.0000	1,743.1570	1,743.1570	0.2141	0.1442	1,791.4662
2023	0.3937	3.1899	3.7499	0.0118	0.5479	0.0996	0.6475	0.1491	0.0938	0.2429	0.0000	1,084.3999	1,084.3999	0.0934	0.0775	1,109.8208
2024	0.3717	3.0559	3.6665	0.0116	0.5521	0.0889	0.6409	0.1503	0.0837	0.2339	0.0000	1,073.4388	1,073.4388	0.0924	0.0763	1,098.4743
2025	3.7012	0.8865	1.2825	3.2800e-003	0.1339	0.0301	0.1640	0.0363	0.0282	0.0645	0.0000	298.4339	298.4339	0.0390	0.0155	304.0293
Maximum	3.7012	7.0765	5.3017	0.0187	1.5263	0.2295	1.7558	0.5912	0.2136	0.8048	0.0000	1,743.1570	1,743.1570	0.2141	0.1442	1,791.4662

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2893	3.1180	5.6491	0.0187	0.9960	0.0350	1.0310	0.3504	0.0339	0.3842	0.0000	1,743.1563	1,743.1563	0.2141	0.1442	1,791.4655
2023	0.2319	1.6103	3.9080	0.0118	0.5479	0.0140	0.5618	0.1491	0.0135	0.1626	0.0000	1,084.3995	1,084.3995	0.0934	0.0775	1,109.8205
2024	0.2219	1.5876	3.8359	0.0116	0.5521	0.0139	0.5659	0.1503	0.0134	0.1637	0.0000	1,073.4384	1,073.4384	0.0924	0.0763	1,098.4739
2025	3.6500	0.3596	1.4026	3.2800e-003	0.1339	4.1300e-003	0.1380	0.0363	4.0300e-003	0.0403	0.0000	298.4338	298.4338	0.0390	0.0155	304.0292
Maximum	3.6500	3.1180	5.6491	0.0187	0.9960	0.0350	1.0310	0.3504	0.0339	0.3842	0.0000	1,743.1563	1,743.1563	0.2141	0.1442	1,791.4655

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	14.02	53.02	-5.68	0.00	19.21	85.07	28.41	25.99	84.54	44.22	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-3-2022	4-2-2022	2.2319	1.4857
2	4-3-2022	7-2-2022	2.4734	0.7538
3	7-3-2022	10-2-2022	1.9925	0.6159
4	10-3-2022	1-2-2023	1.0264	0.5424
5	1-3-2023	4-2-2023	0.8963	0.4657
6	4-3-2023	7-2-2023	0.8855	0.4502
7	7-3-2023	10-2-2023	0.8957	0.4556
8	10-3-2023	1-2-2024	0.9157	0.4763

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

9	1-3-2024	4-2-2024	0.8603	0.4588
10	4-3-2024	7-2-2024	0.8400	0.4386
11	7-3-2024	10-2-2024	0.8497	0.4438
12	10-3-2024	1-2-2025	0.8692	0.4641
13	1-3-2025	4-2-2025	0.6955	0.3610
14	4-3-2025	7-2-2025	1.2180	1.0142
15	7-3-2025	9-30-2025	2.6363	2.6107
		Highest	2.6363	2.6107

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.3551	2.1000e-004	0.0229	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0446	0.0446	1.2000e-004	0.0000	0.0475
Energy	0.2693	2.4477	2.0561	0.0147		0.1860	0.1860		0.1860	0.1860	0.0000	5,120.1739	5,120.1739	0.2774	0.0763	5,149.8440
Mobile	3.1705	3.9282	28.5754	0.0601	6.6154	0.0468	6.6623	1.7683	0.0437	1.8120	0.0000	5,569.0141	5,569.0141	0.3876	0.2796	5,662.0353
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	1,607.9320	0.0000	1,607.9320	95.0261	0.0000	3,983.5835
Water						0.0000	0.0000		0.0000	0.0000	34.8630	89.6393	124.5023	0.1283	0.0768	150.6003
Total	6.7949	6.3761	30.6544	0.0748	6.6154	0.2330	6.8484	1.7683	0.2299	1.9981	1,642.7950	10,778.8719	12,421.6669	95.8195	0.4327	14,946.1105

Innovation Park - CNU Phase 1A - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.3551	2.1000e-004	0.0229	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0446	0.0446	1.2000e-004	0.0000	0.0475
Energy	0.2693	2.4477	2.0561	0.0147		0.1860	0.1860		0.1860	0.1860	0.0000	5,120.1739	5,120.1739	0.2774	0.0763	5,149.8440
Mobile	3.1705	3.9282	28.5754	0.0601	6.6154	0.0468	6.6623	1.7683	0.0437	1.8120	0.0000	5,569.0141	5,569.0141	0.3876	0.2796	5,662.0353
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	1,607.9320	0.0000	1,607.9320	95.0261	0.0000	3,983.5835
Water						0.0000	0.0000		0.0000	0.0000	34.8630	89.6393	124.5023	0.1283	0.0768	150.6003
Total	6.7949	6.3761	30.6544	0.0748	6.6154	0.2330	6.8484	1.7683	0.2299	1.9981	1,642.7950	10,778.8719	12,421.6669	95.8195	0.4327	14,946.1105

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	2/1/2022	4/7/2022	5	48	
2	Building Construction	Building Construction	4/1/2022	3/14/2025	5	771	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3	Grading	Grading	4/8/2022	9/5/2022	5	107
4	Paving	Paving	3/17/2025	6/9/2025	5	61
5	Architectural Coating	Architectural Coating	6/10/2025	9/2/2025	5	61

Acres of Grading (Site Preparation Phase): 72

Acres of Grading (Grading Phase): 321

Acres of Paving: 9.33

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,140,000; Non-Residential Outdoor: 380,000; Striped Parking Area: 24,888 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	16,327.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	420.00	193.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	84.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4718	0.0000	0.4718	0.2425	0.0000	0.2425	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0761	0.7940	0.4728	9.1000e-004		0.0387	0.0387		0.0356	0.0356	0.0000	80.2545	80.2545	0.0260	0.0000	80.9034
Total	0.0761	0.7940	0.4728	9.1000e-004	0.4718	0.0387	0.5105	0.2425	0.0356	0.2781	0.0000	80.2545	80.2545	0.0260	0.0000	80.9034

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0335	1.5030	0.2810	5.3000e-003	0.1381	0.0123	0.1504	0.0379	0.0117	0.0497	0.0000	524.6141	524.6141	0.0211	0.0832	549.9220
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3300e-003	8.7000e-004	0.0109	3.0000e-005	3.1700e-003	2.0000e-005	3.1900e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.5958	2.5958	9.0000e-005	8.0000e-005	2.6215
Total	0.0349	1.5039	0.2919	5.3300e-003	0.1413	0.0123	0.1535	0.0388	0.0117	0.0505	0.0000	527.2099	527.2099	0.0211	0.0832	552.5435

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2123	0.0000	0.2123	0.1091	0.0000	0.1091	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0112	0.0484	0.5009	9.1000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003	0.0000	80.2544	80.2544	0.0260	0.0000	80.9033
Total	0.0112	0.0484	0.5009	9.1000e-004	0.2123	1.4900e-003	0.2138	0.1091	1.4900e-003	0.1106	0.0000	80.2544	80.2544	0.0260	0.0000	80.9033

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0335	1.5030	0.2810	5.3000e-003	0.1381	0.0123	0.1504	0.0379	0.0117	0.0497	0.0000	524.6141	524.6141	0.0211	0.0832	549.9220
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3300e-003	8.7000e-004	0.0109	3.0000e-005	3.1700e-003	2.0000e-005	3.1900e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.5958	2.5958	9.0000e-005	8.0000e-005	2.6215
Total	0.0349	1.5039	0.2919	5.3300e-003	0.1413	0.0123	0.1535	0.0388	0.0117	0.0505	0.0000	527.2099	527.2099	0.0211	0.0832	552.5435

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1672	1.5303	1.6036	2.6400e-003		0.0793	0.0793		0.0746	0.0746	0.0000	227.0907	227.0907	0.0544	0.0000	228.4509
Total	0.1672	1.5303	1.6036	2.6400e-003		0.0793	0.0793		0.0746	0.0746	0.0000	227.0907	227.0907	0.0544	0.0000	228.4509

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0403	1.0855	0.3160	3.7300e-003	0.1107	0.0100	0.1208	0.0320	9.6000e-003	0.0416	0.0000	363.0872	363.0872	9.4800e-003	0.0532	379.1864
Worker	0.1268	0.0825	1.0368	2.7000e-003	0.3023	1.7000e-003	0.3040	0.0804	1.5600e-003	0.0820	0.0000	247.3250	247.3250	8.4900e-003	7.4900e-003	249.7699
Total	0.1671	1.1681	1.3528	6.4300e-003	0.4130	0.0117	0.4248	0.1124	0.0112	0.1236	0.0000	610.4122	610.4122	0.0180	0.0607	628.9563

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0321	0.2190	1.7111	2.6400e-003		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003	0.0000	227.0905	227.0905	0.0544	0.0000	228.4506
Total	0.0321	0.2190	1.7111	2.6400e-003		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003	0.0000	227.0905	227.0905	0.0544	0.0000	228.4506

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3.3 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0403	1.0855	0.3160	3.7300e-003	0.1107	0.0100	0.1208	0.0320	9.6000e-003	0.0416	0.0000	363.0872	363.0872	9.4800e-003	0.0532	379.1864
Worker	0.1268	0.0825	1.0368	2.7000e-003	0.3023	1.7000e-003	0.3040	0.0804	1.5600e-003	0.0820	0.0000	247.3250	247.3250	8.4900e-003	7.4900e-003	249.7699
Total	0.1671	1.1681	1.3528	6.4300e-003	0.4130	0.0117	0.4248	0.1124	0.0112	0.1236	0.0000	610.4122	610.4122	0.0180	0.0607	628.9563

3.3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383

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3.3 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0327	1.2230	0.3687	4.7800e-003	0.1469	6.5200e-003	0.1534	0.0425	6.2300e-003	0.0487	0.0000	465.3425	465.3425	0.0115	0.0683	485.9769
Worker	0.1565	0.0968	1.2695	3.4600e-003	0.4010	2.1300e-003	0.4031	0.1067	1.9700e-003	0.1086	0.0000	317.7113	317.7113	0.0102	9.1900e-003	320.7056
Total	0.1892	1.3198	1.6382	8.2400e-003	0.5479	8.6500e-003	0.5565	0.1491	8.2000e-003	0.1573	0.0000	783.0537	783.0537	0.0217	0.0775	806.6825

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0426	0.2905	2.2698	3.5000e-003		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	0.0426	0.2905	2.2698	3.5000e-003		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0327	1.2230	0.3687	4.7800e-003	0.1469	6.5200e-003	0.1534	0.0425	6.2300e-003	0.0487	0.0000	465.3425	465.3425	0.0115	0.0683	485.9769
Worker	0.1565	0.0968	1.2695	3.4600e-003	0.4010	2.1300e-003	0.4031	0.1067	1.9700e-003	0.1086	0.0000	317.7113	317.7113	0.0102	9.1900e-003	320.7056
Total	0.1892	1.3198	1.6382	8.2400e-003	0.5479	8.6500e-003	0.5565	0.1491	8.2000e-003	0.1573	0.0000	783.0537	783.0537	0.0217	0.0775	806.6825

3.3 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0315	1.2080	0.3600	4.7300e-003	0.1480	6.4700e-003	0.1545	0.0428	6.1900e-003	0.0490	0.0000	460.0161	460.0161	0.0112	0.0677	480.4564
Worker	0.1474	0.0868	1.1886	3.3800e-003	0.4041	2.0400e-003	0.4061	0.1075	1.8800e-003	0.1094	0.0000	309.7003	309.7003	9.3000e-003	8.6100e-003	312.5000
Total	0.1789	1.2948	1.5486	8.1100e-003	0.5521	8.5100e-003	0.5606	0.1503	8.0700e-003	0.1583	0.0000	769.7164	769.7164	0.0205	0.0763	792.9564

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0429	0.2928	2.2873	3.5300e-003		5.3400e-003	5.3400e-003		5.3400e-003	5.3400e-003	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.0429	0.2928	2.2873	3.5300e-003		5.3400e-003	5.3400e-003		5.3400e-003	5.3400e-003	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0315	1.2080	0.3600	4.7300e-003	0.1480	6.4700e-003	0.1545	0.0428	6.1900e-003	0.0490	0.0000	460.0161	460.0161	0.0112	0.0677	480.4564
Worker	0.1474	0.0868	1.1886	3.3800e-003	0.4041	2.0400e-003	0.4061	0.1075	1.8800e-003	0.1094	0.0000	309.7003	309.7003	9.3000e-003	8.6100e-003	312.5000
Total	0.1789	1.2948	1.5486	8.1100e-003	0.5521	8.5100e-003	0.5606	0.1503	8.0700e-003	0.1583	0.0000	769.7164	769.7164	0.0205	0.0763	792.9564

3.3 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0362	0.3305	0.4262	7.1000e-004		0.0140	0.0140		0.0132	0.0132	0.0000	61.4587	61.4587	0.0145	0.0000	61.8198
Total	0.0362	0.3305	0.4262	7.1000e-004		0.0140	0.0140		0.0132	0.0132	0.0000	61.4587	61.4587	0.0145	0.0000	61.8198

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1500e-003	0.2394	0.0711	9.4000e-004	0.0299	1.2800e-003	0.0312	8.6500e-003	1.2300e-003	9.8800e-003	0.0000	91.1741	91.1741	2.2300e-003	0.0134	95.2325
Worker	0.0280	0.0157	0.2245	6.6000e-004	0.0817	3.9000e-004	0.0821	0.0217	3.6000e-004	0.0221	0.0000	60.5328	60.5328	1.7100e-003	1.6300e-003	61.0610
Total	0.0341	0.2551	0.2956	1.6000e-003	0.1117	1.6700e-003	0.1134	0.0304	1.5900e-003	0.0320	0.0000	151.7069	151.7069	3.9400e-003	0.0151	156.2935

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.6900e-003	0.0592	0.4627	7.1000e-004		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003	0.0000	61.4586	61.4586	0.0145	0.0000	61.8198
Total	8.6900e-003	0.0592	0.4627	7.1000e-004		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003	0.0000	61.4586	61.4586	0.0145	0.0000	61.8198

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3.3 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1500e-003	0.2394	0.0711	9.4000e-004	0.0299	1.2800e-003	0.0312	8.6500e-003	1.2300e-003	9.8800e-003	0.0000	91.1741	91.1741	2.2300e-003	0.0134	95.2325
Worker	0.0280	0.0157	0.2245	6.6000e-004	0.0817	3.9000e-004	0.0821	0.0217	3.6000e-004	0.0221	0.0000	60.5328	60.5328	1.7100e-003	1.6300e-003	61.0610
Total	0.0341	0.2551	0.2956	1.6000e-003	0.1117	1.6700e-003	0.1134	0.0304	1.5900e-003	0.0320	0.0000	151.7069	151.7069	3.9400e-003	0.0151	156.2935

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4924	0.0000	0.4924	0.1955	0.0000	0.1955	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1939	2.0781	1.5537	3.3200e-003		0.0875	0.0875		0.0805	0.0805	0.0000	291.7601	291.7601	0.0944	0.0000	294.1191
Total	0.1939	2.0781	1.5537	3.3200e-003	0.4924	0.0875	0.5799	0.1955	0.0805	0.2760	0.0000	291.7601	291.7601	0.0944	0.0000	294.1191

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3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-003	2.1500e-003	0.0270	7.0000e-005	7.8600e-003	4.0000e-005	7.9000e-003	2.0900e-003	4.0000e-005	2.1300e-003	0.0000	6.4295	6.4295	2.2000e-004	1.9000e-004	6.4931
Total	3.3000e-003	2.1500e-003	0.0270	7.0000e-005	7.8600e-003	4.0000e-005	7.9000e-003	2.0900e-003	4.0000e-005	2.1300e-003	0.0000	6.4295	6.4295	2.2000e-004	1.9000e-004	6.4931

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2216	0.0000	0.2216	0.0880	0.0000	0.0880	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0407	0.1766	1.7655	3.3200e-003		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003	0.0000	291.7598	291.7598	0.0944	0.0000	294.1188
Total	0.0407	0.1766	1.7655	3.3200e-003	0.2216	5.4300e-003	0.2270	0.0880	5.4300e-003	0.0934	0.0000	291.7598	291.7598	0.0944	0.0000	294.1188

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3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-003	2.1500e-003	0.0270	7.0000e-005	7.8600e-003	4.0000e-005	7.9000e-003	2.0900e-003	4.0000e-005	2.1300e-003	0.0000	6.4295	6.4295	2.2000e-004	1.9000e-004	6.4931
Total	3.3000e-003	2.1500e-003	0.0270	7.0000e-005	7.8600e-003	4.0000e-005	7.9000e-003	2.0900e-003	4.0000e-005	2.1300e-003	0.0000	6.4295	6.4295	2.2000e-004	1.9000e-004	6.4931

3.5 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0279	0.2617	0.4446	7.0000e-004		0.0128	0.0128		0.0117	0.0117	0.0000	61.0587	61.0587	0.0198	0.0000	61.5524
Paving	9.8600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0378	0.2617	0.4446	7.0000e-004		0.0128	0.0128		0.0117	0.0117	0.0000	61.0587	61.0587	0.0198	0.0000	61.5524

Innovation Park - CNU Phase 1A - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1500e-003	6.5000e-004	9.2300e-003	3.0000e-005	3.3600e-003	2.0000e-005	3.3800e-003	8.9000e-004	1.0000e-005	9.1000e-004	0.0000	2.4882	2.4882	7.0000e-005	7.0000e-005	2.5099
Total	1.1500e-003	6.5000e-004	9.2300e-003	3.0000e-005	3.3600e-003	2.0000e-005	3.3800e-003	8.9000e-004	1.0000e-005	9.1000e-004	0.0000	2.4882	2.4882	7.0000e-005	7.0000e-005	2.5099

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.5500e-003	0.0371	0.5275	7.0000e-004		1.1400e-003	1.1400e-003		1.1400e-003	1.1400e-003	0.0000	61.0587	61.0587	0.0198	0.0000	61.5524
Paving	9.8600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0184	0.0371	0.5275	7.0000e-004		1.1400e-003	1.1400e-003		1.1400e-003	1.1400e-003	0.0000	61.0587	61.0587	0.0198	0.0000	61.5524

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1500e-003	6.5000e-004	9.2300e-003	3.0000e-005	3.3600e-003	2.0000e-005	3.3800e-003	8.9000e-004	1.0000e-005	9.1000e-004	0.0000	2.4882	2.4882	7.0000e-005	7.0000e-005	2.5099
Total	1.1500e-003	6.5000e-004	9.2300e-003	3.0000e-005	3.3600e-003	2.0000e-005	3.3800e-003	8.9000e-004	1.0000e-005	9.1000e-004	0.0000	2.4882	2.4882	7.0000e-005	7.0000e-005	2.5099

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.5803					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2100e-003	0.0349	0.0552	9.0000e-005		1.5700e-003	1.5700e-003		1.5700e-003	1.5700e-003	0.0000	7.7874	7.7874	4.2000e-004	0.0000	7.7980
Total	3.5855	0.0349	0.0552	9.0000e-005		1.5700e-003	1.5700e-003		1.5700e-003	1.5700e-003	0.0000	7.7874	7.7874	4.2000e-004	0.0000	7.7980

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4400e-003	3.6200e-003	0.0517	1.5000e-004	0.0188	9.0000e-005	0.0189	5.0000e-003	8.0000e-005	5.0900e-003	0.0000	13.9340	13.9340	3.9000e-004	3.7000e-004	14.0556
Total	6.4400e-003	3.6200e-003	0.0517	1.5000e-004	0.0188	9.0000e-005	0.0189	5.0000e-003	8.0000e-005	5.0900e-003	0.0000	13.9340	13.9340	3.9000e-004	3.7000e-004	14.0556

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.5803					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.1000e-004	3.9300e-003	0.0559	9.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	7.7874	7.7874	4.2000e-004	0.0000	7.7980
Total	3.5812	3.9300e-003	0.0559	9.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	7.7874	7.7874	4.2000e-004	0.0000	7.7980

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4400e-003	3.6200e-003	0.0517	1.5000e-004	0.0188	9.0000e-005	0.0189	5.0000e-003	8.0000e-005	5.0900e-003	0.0000	13.9340	13.9340	3.9000e-004	3.7000e-004	14.0556
Total	6.4400e-003	3.6200e-003	0.0517	1.5000e-004	0.0188	9.0000e-005	0.0189	5.0000e-003	8.0000e-005	5.0900e-003	0.0000	13.9340	13.9340	3.9000e-004	3.7000e-004	14.0556

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Innovation Park - CNU Phase 1B - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Innovation Park - CNU Phase 1B

Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	200.00	1000sqft	4.59	200,000.00	0
University/College (4yr)	2,000.00	Student	8.44	216,000.00	0
General Light Industry	40.00	1000sqft	0.92	40,000.00	0
Enclosed Parking with Elevator	233.00	Space	2.10	93,200.00	0
Parking Lot	661.00	Space	5.95	264,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2026
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	357.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CNU Phasw 1B Construction ONLY

Land Use - U1, C2, C4 + parking

Construction Phase - Demolition part of PUD

Grading - material import for 20' above grade work

Construction Off-road Equipment Mitigation - MM Tier 4f Scenario + Fugitive dust BMPs

Trips and VMT - Truck capacity = 7 CY

Innovation Park - CNU Phase 1B - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	370.00	450.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	35.00	52.00
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	10.00	15.00
tblLandUse	LandUseSquareFeet	367,594.94	216,000.00
tblTripsAndVMT	HaulingTripNumber	3,531.00	5,102.00

2.0 Emissions Summary

Innovation Park - CNU Phase 1B - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.2284	2.4223	2.0546	6.6300e-003	0.5683	0.0813	0.6495	0.2202	0.0756	0.2957	0.0000	612.1708	612.1708	0.0890	0.0429	627.1878
2024	0.3275	2.6601	3.2772	9.3800e-003	0.4118	0.0864	0.4982	0.1119	0.0813	0.1932	0.0000	858.1652	858.1652	0.0867	0.0532	876.1929
2025	2.3075	1.1093	1.4828	4.0100e-003	0.1691	0.0354	0.2045	0.0459	0.0332	0.0791	0.0000	365.3182	365.3182	0.0420	0.0206	372.4958
Maximum	2.3075	2.6601	3.2772	9.3800e-003	0.5683	0.0864	0.6495	0.2202	0.0813	0.2957	0.0000	858.1652	858.1652	0.0890	0.0532	876.1929

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0925	0.9030	2.2546	6.6300e-003	0.3556	9.8300e-003	0.3654	0.1263	9.5900e-003	0.1359	0.0000	612.1705	612.1705	0.0890	0.0429	627.1875
2024	0.1777	1.1918	3.4466	9.3800e-003	0.4118	0.0114	0.4232	0.1119	0.0111	0.1229	0.0000	858.1648	858.1648	0.0867	0.0532	876.1926
2025	2.2443	0.4774	1.5879	4.0100e-003	0.1691	4.9600e-003	0.1741	0.0459	4.8300e-003	0.0507	0.0000	365.3180	365.3180	0.0420	0.0206	372.4956
Maximum	2.2443	1.1918	3.4466	9.3800e-003	0.4118	0.0114	0.4232	0.1263	0.0111	0.1359	0.0000	858.1648	858.1648	0.0890	0.0532	876.1926

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	12.19	58.46	-6.96	0.00	18.51	87.11	28.81	24.85	86.60	45.51	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
8	5-22-2023	8-21-2023	1.4439	0.5003
9	8-22-2023	11-21-2023	0.8317	0.3211
10	11-22-2023	2-21-2024	0.7756	0.3549
11	2-22-2024	5-21-2024	0.7325	0.3354
12	5-22-2024	8-21-2024	0.7425	0.3366
13	8-22-2024	11-21-2024	0.7506	0.3448
14	11-22-2024	2-21-2025	0.7323	0.3464
15	2-22-2025	5-21-2025	0.6822	0.3239
16	5-22-2025	8-21-2025	2.1936	2.0776
		Highest	2.1936	2.0776

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.0240	3.6000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	0.0778	0.0778	2.0000e-004	0.0000	0.0828
Energy	0.1101	1.0011	0.8409	6.0100e-003		0.0761	0.0761		0.0761	0.0761	0.0000	2,196.9772	2,196.9772	0.1230	0.0324	2,209.6916
Mobile	1.9475	2.2958	16.7125	0.0340	3.7244	0.0268	3.7513	0.9955	0.0251	1.0206	0.0000	3,150.9755	3,150.9755	0.2305	0.1635	3,205.4696
Waste						0.0000	0.0000		0.0000	0.0000	522.6205	0.0000	522.6205	30.8860	0.0000	1,294.7703
Water						0.0000	0.0000		0.0000	0.0000	13.6668	37.7758	51.4425	0.0505	0.0301	61.6882
Total	4.0817	3.2972	17.5934	0.0400	3.7244	0.1030	3.8275	0.9955	0.1013	1.0968	536.2873	5,385.8063	5,922.0936	31.2902	0.2260	6,771.7024

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.0240	3.6000e-004	0.0399	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	0.0778	0.0778	2.0000e-004	0.0000	0.0828
Energy	0.1101	1.0011	0.8409	6.0100e-003		0.0761	0.0761		0.0761	0.0761	0.0000	2,196.9772	2,196.9772	0.1230	0.0324	2,209.6916
Mobile	1.9475	2.2958	16.7125	0.0340	3.7244	0.0268	3.7513	0.9955	0.0251	1.0206	0.0000	3,150.9755	3,150.9755	0.2305	0.1635	3,205.4696
Waste						0.0000	0.0000		0.0000	0.0000	522.6205	0.0000	522.6205	30.8860	0.0000	1,294.7703
Water						0.0000	0.0000		0.0000	0.0000	13.6668	37.7758	51.4425	0.0505	0.0301	61.6882
Total	4.0817	3.2972	17.5934	0.0400	3.7244	0.1030	3.8275	0.9955	0.1013	1.0968	536.2873	5,385.8063	5,922.0936	31.2902	0.2260	6,771.7024

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2023	6/21/2023	5	15	
2	Grading	Grading	6/22/2023	9/1/2023	5	52	
3	Building Construction	Building Construction	9/4/2023	5/23/2025	5	450	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Paving	Paving	5/26/2025	6/27/2025	5	25
5	Architectural Coating	Architectural Coating	6/30/2025	8/1/2025	5	25

Acres of Grading (Site Preparation Phase): 22.5

Acres of Grading (Grading Phase): 156

Acres of Paving: 8.05

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 684,000; Non-Residential Outdoor: 228,000; Striped Parking Area: 21,456 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	5,102.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	322.00	133.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	64.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1474	0.0000	0.1474	0.0758	0.0000	0.0758	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0200	0.2064	0.1368	2.9000e-004		9.5000e-003	9.5000e-003		8.7400e-003	8.7400e-003	0.0000	25.0880	25.0880	8.1100e-003	0.0000	25.2909
Total	0.0200	0.2064	0.1368	2.9000e-004	0.1474	9.5000e-003	0.1569	0.0758	8.7400e-003	0.0845	0.0000	25.0880	25.0880	8.1100e-003	0.0000	25.2909

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.7800e-003	0.4061	0.0816	1.6000e-003	0.0431	2.9600e-003	0.0461	0.0119	2.8300e-003	0.0147	0.0000	158.4948	158.4948	6.3100e-003	0.0251	166.1415
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.4000e-004	3.1400e-003	1.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.6000e-004	0.0000	2.7000e-004	0.0000	0.7856	0.7856	3.0000e-005	2.0000e-005	0.7930
Total	7.1700e-003	0.4063	0.0847	1.6100e-003	0.0441	2.9700e-003	0.0471	0.0121	2.8300e-003	0.0150	0.0000	159.2804	159.2804	6.3400e-003	0.0252	166.9345

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0663	0.0000	0.0663	0.0341	0.0000	0.0341	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4900e-003	0.0151	0.1565	2.9000e-004		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	25.0880	25.0880	8.1100e-003	0.0000	25.2908
Total	3.4900e-003	0.0151	0.1565	2.9000e-004	0.0663	4.7000e-004	0.0668	0.0341	4.7000e-004	0.0346	0.0000	25.0880	25.0880	8.1100e-003	0.0000	25.2908

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.7800e-003	0.4061	0.0816	1.6000e-003	0.0431	2.9600e-003	0.0461	0.0119	2.8300e-003	0.0147	0.0000	158.4948	158.4948	6.3100e-003	0.0251	166.1415
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.4000e-004	3.1400e-003	1.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.6000e-004	0.0000	2.7000e-004	0.0000	0.7856	0.7856	3.0000e-005	2.0000e-005	0.7930
Total	7.1700e-003	0.4063	0.0847	1.6100e-003	0.0441	2.9700e-003	0.0471	0.0121	2.8300e-003	0.0150	0.0000	159.2804	159.2804	6.3400e-003	0.0252	166.9345

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2393	0.0000	0.2393	0.0950	0.0000	0.0950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0864	0.8974	0.7293	1.6100e-003		0.0370	0.0370		0.0341	0.0341	0.0000	141.7915	141.7915	0.0459	0.0000	142.9380
Total	0.0864	0.8974	0.7293	1.6100e-003	0.2393	0.0370	0.2763	0.0950	0.0341	0.1291	0.0000	141.7915	141.7915	0.0459	0.0000	142.9380

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4900e-003	9.2000e-004	0.0121	3.0000e-005	3.8200e-003	2.0000e-005	3.8400e-003	1.0200e-003	2.0000e-005	1.0300e-003	0.0000	3.0258	3.0258	1.0000e-004	9.0000e-005	3.0543
Total	1.4900e-003	9.2000e-004	0.0121	3.0000e-005	3.8200e-003	2.0000e-005	3.8400e-003	1.0200e-003	2.0000e-005	1.0300e-003	0.0000	3.0258	3.0258	1.0000e-004	9.0000e-005	3.0543

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1077	0.0000	0.1077	0.0428	0.0000	0.0428	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0198	0.0858	0.8580	1.6100e-003		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	141.7914	141.7914	0.0459	0.0000	142.9378
Total	0.0198	0.0858	0.8580	1.6100e-003	0.1077	2.6400e-003	0.1103	0.0428	2.6400e-003	0.0454	0.0000	141.7914	141.7914	0.0459	0.0000	142.9378

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4900e-003	9.2000e-004	0.0121	3.0000e-005	3.8200e-003	2.0000e-005	3.8400e-003	1.0200e-003	2.0000e-005	1.0300e-003	0.0000	3.0258	3.0258	1.0000e-004	9.0000e-005	3.0543
Total	1.4900e-003	9.2000e-004	0.0121	3.0000e-005	3.8200e-003	2.0000e-005	3.8400e-003	1.0200e-003	2.0000e-005	1.0300e-003	0.0000	3.0258	3.0258	1.0000e-004	9.0000e-005	3.0543

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0668	0.6114	0.6904	1.1500e-003		0.0297	0.0297		0.0280	0.0280	0.0000	98.5170	98.5170	0.0234	0.0000	99.1029
Total	0.0668	0.6114	0.6904	1.1500e-003		0.0297	0.0297		0.0280	0.0280	0.0000	98.5170	98.5170	0.0234	0.0000	99.1029

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.3700e-003	0.2755	0.0831	1.0800e-003	0.0331	1.4700e-003	0.0346	9.5700e-003	1.4000e-003	0.0110	0.0000	104.8365	104.8365	2.5900e-003	0.0154	109.4852
Worker	0.0392	0.0243	0.3182	8.7000e-004	0.1005	5.3000e-004	0.1010	0.0267	4.9000e-004	0.0272	0.0000	79.6315	79.6315	2.5500e-003	2.3000e-003	80.3820
Total	0.0466	0.2998	0.4013	1.9500e-003	0.1336	2.0000e-003	0.1356	0.0363	1.8900e-003	0.0382	0.0000	184.4680	184.4680	5.1400e-003	0.0177	189.8672

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0139	0.0950	0.7421	1.1500e-003		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	98.5169	98.5169	0.0234	0.0000	99.1028
Total	0.0139	0.0950	0.7421	1.1500e-003		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	98.5169	98.5169	0.0234	0.0000	99.1028

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.3700e-003	0.2755	0.0831	1.0800e-003	0.0331	1.4700e-003	0.0346	9.5700e-003	1.4000e-003	0.0110	0.0000	104.8365	104.8365	2.5900e-003	0.0154	109.4852
Worker	0.0392	0.0243	0.3182	8.7000e-004	0.1005	5.3000e-004	0.1010	0.0267	4.9000e-004	0.0272	0.0000	79.6315	79.6315	2.5500e-003	2.3000e-003	80.3820
Total	0.0466	0.2998	0.4013	1.9500e-003	0.1336	2.0000e-003	0.1356	0.0363	1.8900e-003	0.0382	0.0000	184.4680	184.4680	5.1400e-003	0.0177	189.8672

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0217	0.8325	0.2481	3.2600e-003	0.1020	4.4600e-003	0.1064	0.0295	4.2600e-003	0.0337	0.0000	317.0059	317.0059	7.7400e-003	0.0466	331.0917
Worker	0.1130	0.0665	0.9113	2.5900e-003	0.3098	1.5700e-003	0.3114	0.0824	1.4400e-003	0.0838	0.0000	237.4369	237.4369	7.1300e-003	6.6000e-003	239.5834
Total	0.1347	0.8990	1.1593	5.8500e-003	0.4118	6.0300e-003	0.4178	0.1119	5.7000e-003	0.1176	0.0000	554.4428	554.4428	0.0149	0.0532	570.6751

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0429	0.2928	2.2873	3.5300e-003		5.3400e-003	5.3400e-003		5.3400e-003	5.3400e-003	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.0429	0.2928	2.2873	3.5300e-003		5.3400e-003	5.3400e-003		5.3400e-003	5.3400e-003	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0217	0.8325	0.2481	3.2600e-003	0.1020	4.4600e-003	0.1064	0.0295	4.2600e-003	0.0337	0.0000	317.0059	317.0059	7.7400e-003	0.0466	331.0917
Worker	0.1130	0.0665	0.9113	2.5900e-003	0.3098	1.5700e-003	0.3114	0.0824	1.4400e-003	0.0838	0.0000	237.4369	237.4369	7.1300e-003	6.6000e-003	239.5834
Total	0.1347	0.8990	1.1593	5.8500e-003	0.4118	6.0300e-003	0.4178	0.1119	5.7000e-003	0.1176	0.0000	554.4428	554.4428	0.0149	0.0532	570.6751

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0704	0.6422	0.8284	1.3900e-003		0.0272	0.0272		0.0256	0.0256	0.0000	119.4385	119.4385	0.0281	0.0000	120.1404
Total	0.0704	0.6422	0.8284	1.3900e-003		0.0272	0.0272		0.0256	0.0256	0.0000	119.4385	119.4385	0.0281	0.0000	120.1404

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.2300e-003	0.3206	0.0952	1.2500e-003	0.0401	1.7200e-003	0.0418	0.0116	1.6400e-003	0.0132	0.0000	122.1032	122.1032	2.9800e-003	0.0180	127.5384
Worker	0.0417	0.0235	0.3344	9.8000e-004	0.1218	5.9000e-004	0.1224	0.0324	5.4000e-004	0.0329	0.0000	90.1901	90.1901	2.5500e-003	2.4300e-003	90.9771
Total	0.0499	0.3441	0.4297	2.2300e-003	0.1619	2.3100e-003	0.1642	0.0440	2.1800e-003	0.0462	0.0000	212.2933	212.2933	5.5300e-003	0.0204	218.5155

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0169	0.1151	0.8992	1.3900e-003		2.1000e-003	2.1000e-003		2.1000e-003	2.1000e-003	0.0000	119.4384	119.4384	0.0281	0.0000	120.1403
Total	0.0169	0.1151	0.8992	1.3900e-003		2.1000e-003	2.1000e-003		2.1000e-003	2.1000e-003	0.0000	119.4384	119.4384	0.0281	0.0000	120.1403

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.2300e-003	0.3206	0.0952	1.2500e-003	0.0401	1.7200e-003	0.0418	0.0116	1.6400e-003	0.0132	0.0000	122.1032	122.1032	2.9800e-003	0.0180	127.5384
Worker	0.0417	0.0235	0.3344	9.8000e-004	0.1218	5.9000e-004	0.1224	0.0324	5.4000e-004	0.0329	0.0000	90.1901	90.1901	2.5500e-003	2.4300e-003	90.9771
Total	0.0499	0.3441	0.4297	2.2300e-003	0.1619	2.3100e-003	0.1642	0.0440	2.1800e-003	0.0462	0.0000	212.2933	212.2933	5.5300e-003	0.0204	218.5155

3.5 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0114	0.1073	0.1822	2.8000e-004		5.2300e-003	5.2300e-003		4.8100e-003	4.8100e-003	0.0000	25.0241	25.0241	8.0900e-003	0.0000	25.2264
Paving	7.7900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0192	0.1073	0.1822	2.8000e-004		5.2300e-003	5.2300e-003		4.8100e-003	4.8100e-003	0.0000	25.0241	25.0241	8.0900e-003	0.0000	25.2264

Innovation Park - CNU Phase 1B - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	2.7000e-004	3.7800e-003	1.0000e-005	1.3800e-003	1.0000e-005	1.3800e-003	3.7000e-004	1.0000e-005	3.7000e-004	0.0000	1.0198	1.0198	3.0000e-005	3.0000e-005	1.0287
Total	4.7000e-004	2.7000e-004	3.7800e-003	1.0000e-005	1.3800e-003	1.0000e-005	1.3800e-003	3.7000e-004	1.0000e-005	3.7000e-004	0.0000	1.0198	1.0198	3.0000e-005	3.0000e-005	1.0287

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.5100e-003	0.0152	0.2162	2.8000e-004		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	25.0240	25.0240	8.0900e-003	0.0000	25.2264
Paving	7.7900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0113	0.0152	0.2162	2.8000e-004		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	25.0240	25.0240	8.0900e-003	0.0000	25.2264

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	2.7000e-004	3.7800e-003	1.0000e-005	1.3800e-003	1.0000e-005	1.3800e-003	3.7000e-004	1.0000e-005	3.7000e-004	0.0000	1.0198	1.0198	3.0000e-005	3.0000e-005	1.0287
Total	4.7000e-004	2.7000e-004	3.7800e-003	1.0000e-005	1.3800e-003	1.0000e-005	1.3800e-003	3.7000e-004	1.0000e-005	3.7000e-004	0.0000	1.0198	1.0198	3.0000e-005	3.0000e-005	1.0287

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.1633					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1400e-003	0.0143	0.0226	4.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	3.1916	3.1916	1.7000e-004	0.0000	3.1959
Total	2.1654	0.0143	0.0226	4.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	3.1916	3.1916	1.7000e-004	0.0000	3.1959

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0100e-003	1.1300e-003	0.0161	5.0000e-005	5.8800e-003	3.0000e-005	5.9000e-003	1.5600e-003	3.0000e-005	1.5900e-003	0.0000	4.3510	4.3510	1.2000e-004	1.2000e-004	4.3889
Total	2.0100e-003	1.1300e-003	0.0161	5.0000e-005	5.8800e-003	3.0000e-005	5.9000e-003	1.5600e-003	3.0000e-005	1.5900e-003	0.0000	4.3510	4.3510	1.2000e-004	1.2000e-004	4.3889

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.1633					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7000e-004	1.6100e-003	0.0229	4.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	3.1916	3.1916	1.7000e-004	0.0000	3.1959
Total	2.1637	1.6100e-003	0.0229	4.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	3.1916	3.1916	1.7000e-004	0.0000	3.1959

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0100e-003	1.1300e-003	0.0161	5.0000e-005	5.8800e-003	3.0000e-005	5.9000e-003	1.5600e-003	3.0000e-005	1.5900e-003	0.0000	4.3510	4.3510	1.2000e-004	1.2000e-004	4.3889
Total	2.0100e-003	1.1300e-003	0.0161	5.0000e-005	5.8800e-003	3.0000e-005	5.9000e-003	1.5600e-003	3.0000e-005	1.5900e-003	0.0000	4.3510	4.3510	1.2000e-004	1.2000e-004	4.3889

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Innovation Park - CNU - Phase 2A - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Innovation Park - CNU - Phase 2A

Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	325.00	1000sqft	7.46	325,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2029
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	357.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Ambulatory Care Building and Medical Building Construction ONLY

Land Use - Med bldg + care bldg

Construction Phase - schedule

Trips and VMT - 15 truck per day for site prep, demo, grade

Grading -

Construction Off-road Equipment Mitigation - Tier 4 MM scenario + dust BMPs

Fleet Mix -

Area Coating -

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Innovation Park - CNU - Phase 2A - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	34.00
tblConstructionPhase	NumDays	230.00	383.00
tblConstructionPhase	NumDays	20.00	16.00
tblConstructionPhase	NumDays	20.00	16.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	20.00	34.00
tblConstructionPhase	NumDays	10.00	9.00
tblTripsAndVMT	HaulingTripNumber	0.00	240.00
tblTripsAndVMT	HaulingTripNumber	0.00	135.00
tblTripsAndVMT	HaulingTripNumber	0.00	240.00

2.0 Emissions Summary

Innovation Park - CNU - Phase 2A - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2027	0.0548	0.5538	0.5172	1.2500e-003	0.1613	0.0214	0.1827	0.0773	0.0198	0.0971	0.0000	112.3581	112.3581	0.0246	4.0100e-003	114.1671
2028	0.2139	1.9406	2.4126	5.4200e-003	0.1396	0.0706	0.2102	0.0381	0.0664	0.1045	0.0000	483.9962	483.9962	0.0753	0.0188	491.4731
2029	1.6133	0.9623	1.2768	2.6800e-003	0.0620	0.0370	0.0990	0.0169	0.0348	0.0516	0.0000	238.8745	238.8745	0.0422	7.6400e-003	242.2080
Maximum	1.6133	1.9406	2.4126	5.4200e-003	0.1613	0.0706	0.2102	0.0773	0.0664	0.1045	0.0000	483.9962	483.9962	0.0753	0.0188	491.4731

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2027	0.0151	0.1200	0.5981	1.2500e-003	0.0815	1.9500e-003	0.0834	0.0372	1.9300e-003	0.0391	0.0000	112.3580	112.3580	0.0246	4.0100e-003	114.1670
2028	0.0787	0.6100	2.5914	5.4200e-003	0.1396	7.3200e-003	0.1469	0.0381	7.2200e-003	0.0453	0.0000	483.9959	483.9959	0.0753	0.0188	491.4728
2029	1.5445	0.2722	1.3970	2.6800e-003	0.0620	3.7100e-003	0.0657	0.0169	3.6700e-003	0.0205	0.0000	238.8743	238.8743	0.0422	7.6400e-003	242.2078
Maximum	1.5445	0.6100	2.5914	5.4200e-003	0.1396	7.3200e-003	0.1469	0.0381	7.2200e-003	0.0453	0.0000	483.9959	483.9959	0.0753	0.0188	491.4728

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	12.94	71.01	-9.03	0.00	22.00	89.94	39.82	30.32	89.41	58.57	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	10-15-2027	1-14-2028	0.6678	0.1588
2	1-15-2028	4-14-2028	0.5402	0.1738
3	4-15-2028	7-14-2028	0.5358	0.1693
4	7-15-2028	10-14-2028	0.5425	0.1720
5	10-15-2028	1-14-2029	0.5467	0.1762
6	1-15-2029	4-14-2029	0.5324	0.1700
7	4-15-2029	7-14-2029	0.4208	0.1082
8	7-15-2029	9-30-2029	1.4853	1.4606
		Highest	1.4853	1.4606

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.4203	4.0000e-005	4.1400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	8.0700e-003	8.0700e-003	2.0000e-005	0.0000	8.5900e-003
Energy	0.1173	1.0665	0.8958	6.4000e-003		0.0811	0.0811		0.0811	0.0811	0.0000	2,182.1047	2,182.1047	0.1164	0.0327	2,194.7572
Mobile	1.2322	1.4704	11.2199	0.0240	2.8817	0.0173	2.8990	0.7701	0.0162	0.7862	0.0000	2,223.4626	2,223.4626	0.1535	0.1109	2,260.3598
Waste						0.0000	0.0000		0.0000	0.0000	712.4983	0.0000	712.4983	42.1074	0.0000	1,765.1843
Water						0.0000	0.0000		0.0000	0.0000	14.4284	37.4090	51.8375	0.0531	0.0318	62.6402
Total	2.7698	2.5369	12.1199	0.0304	2.8817	0.0984	2.9801	0.7701	0.0972	0.8673	726.9267	4,442.9844	5,169.9111	42.4304	0.1754	6,282.9501

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.4203	4.0000e-005	4.1400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	8.0700e-003	8.0700e-003	2.0000e-005	0.0000	8.5900e-003
Energy	0.1173	1.0665	0.8958	6.4000e-003		0.0811	0.0811		0.0811	0.0811	0.0000	2,182.1047	2,182.1047	0.1164	0.0327	2,194.7572
Mobile	1.2322	1.4704	11.2199	0.0240	2.8817	0.0173	2.8990	0.7701	0.0162	0.7862	0.0000	2,223.4626	2,223.4626	0.1535	0.1109	2,260.3598
Waste						0.0000	0.0000		0.0000	0.0000	712.4983	0.0000	712.4983	42.1074	0.0000	1,765.1843
Water						0.0000	0.0000		0.0000	0.0000	14.4284	37.4090	51.8375	0.0531	0.0318	62.6402
Total	2.7698	2.5369	12.1199	0.0304	2.8817	0.0984	2.9801	0.7701	0.0972	0.8673	726.9267	4,442.9844	5,169.9111	42.4304	0.1754	6,282.9501

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/15/2027	11/5/2027	5	16	
2	Site Preparation	Site Preparation	11/8/2027	11/18/2027	5	9	
3	Grading	Grading	11/19/2027	12/10/2027	5	16	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Building Construction	Building Construction	12/10/2027	5/29/2029	5	383
5	Paving	Paving	5/30/2029	7/16/2029	5	34
6	Architectural Coating	Architectural Coating	7/17/2029	8/31/2029	5	34

Acres of Grading (Site Preparation Phase): 13.5

Acres of Grading (Grading Phase): 16

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 487,500; Non-Residential Outdoor: 162,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Architectural Coating	Air Compressors	1	6.00	78	0.48
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	240.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	135.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	240.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	104.00	53.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	21.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Water Exposed Area

3.2 Demolition - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0167	0.1536	0.1554	3.1000e-004		6.8200e-003	6.8200e-003		6.3400e-003	6.3400e-003	0.0000	27.1981	27.1981	7.5900e-003	0.0000	27.3880
Total	0.0167	0.1536	0.1554	3.1000e-004		6.8200e-003	6.8200e-003		6.3400e-003	6.3400e-003	0.0000	27.1981	27.1981	7.5900e-003	0.0000	27.3880

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3.2 Demolition - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.9000e-004	0.0172	3.8700e-003	7.0000e-005	2.0300e-003	1.3000e-004	2.1600e-003	5.6000e-004	1.2000e-004	6.8000e-004	0.0000	6.8498	6.8498	2.7000e-004	1.0900e-003	7.1804
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	1.4000e-004	2.1500e-003	1.0000e-005	8.8000e-004	0.0000	8.9000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6130	0.6130	2.0000e-005	2.0000e-005	0.6181
Total	5.6000e-004	0.0173	6.0200e-003	8.0000e-005	2.9100e-003	1.3000e-004	3.0500e-003	7.9000e-004	1.2000e-004	9.2000e-004	0.0000	7.4628	7.4628	2.9000e-004	1.1100e-003	7.7985

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.7000e-003	0.0160	0.1862	3.1000e-004		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	27.1981	27.1981	7.5900e-003	0.0000	27.3880
Total	3.7000e-003	0.0160	0.1862	3.1000e-004		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	27.1981	27.1981	7.5900e-003	0.0000	27.3880

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3.2 Demolition - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.9000e-004	0.0172	3.8700e-003	7.0000e-005	2.0300e-003	1.3000e-004	2.1600e-003	5.6000e-004	1.2000e-004	6.8000e-004	0.0000	6.8498	6.8498	2.7000e-004	1.0900e-003	7.1804
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	1.4000e-004	2.1500e-003	1.0000e-005	8.8000e-004	0.0000	8.9000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6130	0.6130	2.0000e-005	2.0000e-005	0.6181
Total	5.6000e-004	0.0173	6.0200e-003	8.0000e-005	2.9100e-003	1.3000e-004	3.0500e-003	7.9000e-004	1.2000e-004	9.2000e-004	0.0000	7.4628	7.4628	2.9000e-004	1.1100e-003	7.7985

3.3 Site Preparation - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0885	0.0000	0.0885	0.0455	0.0000	0.0455	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0111	0.1136	0.0806	1.7000e-004		4.8900e-003	4.8900e-003		4.5000e-003	4.5000e-003	0.0000	15.0601	15.0601	4.8700e-003	0.0000	15.1819
Total	0.0111	0.1136	0.0806	1.7000e-004	0.0885	4.8900e-003	0.0934	0.0455	4.5000e-003	0.0500	0.0000	15.0601	15.0601	4.8700e-003	0.0000	15.1819

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3.3 Site Preparation - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6000e-004	9.6600e-003	2.1800e-003	4.0000e-005	1.1400e-003	7.0000e-005	1.2100e-003	3.1000e-004	7.0000e-005	3.8000e-004	0.0000	3.8530	3.8530	1.5000e-004	6.1000e-004	4.0390
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	9.0000e-005	1.4500e-003	0.0000	5.9000e-004	0.0000	6.0000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4138	0.4138	1.0000e-005	1.0000e-005	0.4172
Total	3.4000e-004	9.7500e-003	3.6300e-003	4.0000e-005	1.7300e-003	7.0000e-005	1.8100e-003	4.7000e-004	7.0000e-005	5.4000e-004	0.0000	4.2668	4.2668	1.6000e-004	6.2000e-004	4.4562

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0398	0.0000	0.0398	0.0205	0.0000	0.0205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1000e-003	9.0800e-003	0.0939	1.7000e-004		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	15.0601	15.0601	4.8700e-003	0.0000	15.1819
Total	2.1000e-003	9.0800e-003	0.0939	1.7000e-004	0.0398	2.8000e-004	0.0401	0.0205	2.8000e-004	0.0207	0.0000	15.0601	15.0601	4.8700e-003	0.0000	15.1819

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3.3 Site Preparation - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6000e-004	9.6600e-003	2.1800e-003	4.0000e-005	1.1400e-003	7.0000e-005	1.2100e-003	3.1000e-004	7.0000e-005	3.8000e-004	0.0000	3.8530	3.8530	1.5000e-004	6.1000e-004	4.0390
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	9.0000e-005	1.4500e-003	0.0000	5.9000e-004	0.0000	6.0000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4138	0.4138	1.0000e-005	1.0000e-005	0.4172
Total	3.4000e-004	9.7500e-003	3.6300e-003	4.0000e-005	1.7300e-003	7.0000e-005	1.8100e-003	4.7000e-004	7.0000e-005	5.4000e-004	0.0000	4.2668	4.2668	1.6000e-004	6.2000e-004	4.4562

3.4 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0567	0.0000	0.0567	0.0274	0.0000	0.0274	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0122	0.1225	0.1163	2.4000e-004		4.9900e-003	4.9900e-003		4.5900e-003	4.5900e-003	0.0000	20.8559	20.8559	6.7500e-003	0.0000	21.0245
Total	0.0122	0.1225	0.1163	2.4000e-004	0.0567	4.9900e-003	0.0617	0.0274	4.5900e-003	0.0320	0.0000	20.8559	20.8559	6.7500e-003	0.0000	21.0245

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3.4 Grading - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.9000e-004	0.0172	3.8700e-003	7.0000e-005	2.0300e-003	1.3000e-004	2.1600e-003	5.6000e-004	1.2000e-004	6.8000e-004	0.0000	6.8498	6.8498	2.7000e-004	1.0900e-003	7.1804
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	1.4000e-004	2.1500e-003	1.0000e-005	8.8000e-004	0.0000	8.9000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6130	0.6130	2.0000e-005	2.0000e-005	0.6181
Total	5.6000e-004	0.0173	6.0200e-003	8.0000e-005	2.9100e-003	1.3000e-004	3.0500e-003	7.9000e-004	1.2000e-004	9.2000e-004	0.0000	7.4628	7.4628	2.9000e-004	1.1100e-003	7.7985

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0255	0.0000	0.0255	0.0123	0.0000	0.0123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9100e-003	0.0126	0.1420	2.4000e-004		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	20.8558	20.8558	6.7500e-003	0.0000	21.0245
Total	2.9100e-003	0.0126	0.1420	2.4000e-004	0.0255	3.9000e-004	0.0259	0.0123	3.9000e-004	0.0127	0.0000	20.8558	20.8558	6.7500e-003	0.0000	21.0245

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3.4 Grading - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.9000e-004	0.0172	3.8700e-003	7.0000e-005	2.0300e-003	1.3000e-004	2.1600e-003	5.6000e-004	1.2000e-004	6.8000e-004	0.0000	6.8498	6.8498	2.7000e-004	1.0900e-003	7.1804
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	1.4000e-004	2.1500e-003	1.0000e-005	8.8000e-004	0.0000	8.9000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6130	0.6130	2.0000e-005	2.0000e-005	0.6181
Total	5.6000e-004	0.0173	6.0200e-003	8.0000e-005	2.9100e-003	1.3000e-004	3.0500e-003	7.9000e-004	1.2000e-004	9.2000e-004	0.0000	7.4628	7.4628	2.9000e-004	1.1100e-003	7.7985

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0109	0.0998	0.1287	2.2000e-004		4.2200e-003	4.2200e-003		3.9700e-003	3.9700e-003	0.0000	18.5536	18.5536	4.3600e-003	0.0000	18.6626
Total	0.0109	0.0998	0.1287	2.2000e-004		4.2200e-003	4.2200e-003		3.9700e-003	3.9700e-003	0.0000	18.5536	18.5536	4.3600e-003	0.0000	18.6626

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3.5 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.8000e-004	0.0191	5.6800e-003	7.0000e-005	2.4800e-003	1.0000e-004	2.5800e-003	7.2000e-004	1.0000e-004	8.1000e-004	0.0000	7.2476	7.2476	1.8000e-004	1.0700e-003	7.5714
Worker	1.8600e-003	9.7000e-004	0.0149	5.0000e-005	6.1100e-003	3.0000e-005	6.1400e-003	1.6300e-003	2.0000e-005	1.6500e-003	0.0000	4.2504	4.2504	1.1000e-004	1.1000e-004	4.2855
Total	2.3400e-003	0.0200	0.0206	1.2000e-004	8.5900e-003	1.3000e-004	8.7200e-003	2.3500e-003	1.2000e-004	2.4600e-003	0.0000	11.4980	11.4980	2.9000e-004	1.1800e-003	11.8569

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.6200e-003	0.0179	0.1397	2.2000e-004		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	18.5535	18.5535	4.3600e-003	0.0000	18.6626
Total	2.6200e-003	0.0179	0.1397	2.2000e-004		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	18.5535	18.5535	4.3600e-003	0.0000	18.6626

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3.5 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.8000e-004	0.0191	5.6800e-003	7.0000e-005	2.4800e-003	1.0000e-004	2.5800e-003	7.2000e-004	1.0000e-004	8.1000e-004	0.0000	7.2476	7.2476	1.8000e-004	1.0700e-003	7.5714
Worker	1.8600e-003	9.7000e-004	0.0149	5.0000e-005	6.1100e-003	3.0000e-005	6.1400e-003	1.6300e-003	2.0000e-005	1.6500e-003	0.0000	4.2504	4.2504	1.1000e-004	1.1000e-004	4.2855
Total	2.3400e-003	0.0200	0.0206	1.2000e-004	8.5900e-003	1.3000e-004	8.7200e-003	2.3500e-003	1.2000e-004	2.4600e-003	0.0000	11.4980	11.4980	2.9000e-004	1.1800e-003	11.8569

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671

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3.5 Building Construction - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.5000e-003	0.3050	0.0910	1.1800e-003	0.0403	1.6100e-003	0.0419	0.0117	1.5400e-003	0.0132	0.0000	115.3551	115.3551	2.8000e-003	0.0171	120.5170
Worker	0.0286	0.0146	0.2306	7.3000e-004	0.0993	4.0000e-004	0.0997	0.0264	3.7000e-004	0.0268	0.0000	67.1458	67.1458	1.6000e-003	1.6900e-003	67.6891
Total	0.0361	0.3195	0.3216	1.9100e-003	0.1396	2.0100e-003	0.1416	0.0381	1.9100e-003	0.0400	0.0000	182.5009	182.5009	4.4000e-003	0.0188	188.2060

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0426	0.2905	2.2698	3.5000e-003		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667
Total	0.0426	0.2905	2.2698	3.5000e-003		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.5000e-003	0.3050	0.0910	1.1800e-003	0.0403	1.6100e-003	0.0419	0.0117	1.5400e-003	0.0132	0.0000	115.3551	115.3551	2.8000e-003	0.0171	120.5170
Worker	0.0286	0.0146	0.2306	7.3000e-004	0.0993	4.0000e-004	0.0997	0.0264	3.7000e-004	0.0268	0.0000	67.1458	67.1458	1.6000e-003	1.6900e-003	67.6891
Total	0.0361	0.3195	0.3216	1.9100e-003	0.1396	2.0100e-003	0.1416	0.0381	1.9100e-003	0.0400	0.0000	182.5009	182.5009	4.4000e-003	0.0188	188.2060

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0732	0.6671	0.8605	1.4400e-003		0.0282	0.0282		0.0266	0.0266	0.0000	124.0769	124.0769	0.0292	0.0000	124.8061
Total	0.0732	0.6671	0.8605	1.4400e-003		0.0282	0.0282		0.0266	0.0266	0.0000	124.0769	124.0769	0.0292	0.0000	124.8061

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-003	0.1236	0.0370	4.8000e-004	0.0166	6.5000e-004	0.0172	4.7900e-003	6.2000e-004	5.4200e-003	0.0000	46.5416	46.5416	1.1300e-003	6.9000e-003	48.6272
Worker	0.0111	5.5700e-003	0.0907	2.9000e-004	0.0409	1.6000e-004	0.0410	0.0109	1.4000e-004	0.0110	0.0000	26.9215	26.9215	6.1000e-004	6.7000e-004	27.1356
Total	0.0141	0.1292	0.1277	7.7000e-004	0.0575	8.1000e-004	0.0583	0.0157	7.6000e-004	0.0164	0.0000	73.4631	73.4631	1.7400e-003	7.5700e-003	75.7628

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0175	0.1196	0.9341	1.4400e-003		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	124.0768	124.0768	0.0292	0.0000	124.8059
Total	0.0175	0.1196	0.9341	1.4400e-003		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	124.0768	124.0768	0.0292	0.0000	124.8059

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-003	0.1236	0.0370	4.8000e-004	0.0166	6.5000e-004	0.0172	4.7900e-003	6.2000e-004	5.4200e-003	0.0000	46.5416	46.5416	1.1300e-003	6.9000e-003	48.6272
Worker	0.0111	5.5700e-003	0.0907	2.9000e-004	0.0409	1.6000e-004	0.0410	0.0109	1.4000e-004	0.0110	0.0000	26.9215	26.9215	6.1000e-004	6.7000e-004	27.1356
Total	0.0141	0.1292	0.1277	7.7000e-004	0.0575	8.1000e-004	0.0583	0.0157	7.6000e-004	0.0164	0.0000	73.4631	73.4631	1.7400e-003	7.5700e-003	75.7628

3.6 Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0156	0.1459	0.2478	3.9000e-004		7.1100e-003	7.1100e-003		6.5500e-003	6.5500e-003	0.0000	34.0327	34.0327	0.0110	0.0000	34.3079
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0156	0.1459	0.2478	3.9000e-004		7.1100e-003	7.1100e-003		6.5500e-003	6.5500e-003	0.0000	34.0327	34.0327	0.0110	0.0000	34.3079

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	2.6000e-004	4.1600e-003	1.0000e-005	1.8700e-003	1.0000e-005	1.8800e-003	5.0000e-004	1.0000e-005	5.0000e-004	0.0000	1.2338	1.2338	3.0000e-005	3.0000e-005	1.2436
Total	5.1000e-004	2.6000e-004	4.1600e-003	1.0000e-005	1.8700e-003	1.0000e-005	1.8800e-003	5.0000e-004	1.0000e-005	5.0000e-004	0.0000	1.2338	1.2338	3.0000e-005	3.0000e-005	1.2436

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.7700e-003	0.0207	0.2940	3.9000e-004		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	34.0327	34.0327	0.0110	0.0000	34.3079
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.7700e-003	0.0207	0.2940	3.9000e-004		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	34.0327	34.0327	0.0110	0.0000	34.3079

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	2.6000e-004	4.1600e-003	1.0000e-005	1.8700e-003	1.0000e-005	1.8800e-003	5.0000e-004	1.0000e-005	5.0000e-004	0.0000	1.2338	1.2338	3.0000e-005	3.0000e-005	1.2436
Total	5.1000e-004	2.6000e-004	4.1600e-003	1.0000e-005	1.8700e-003	1.0000e-005	1.8800e-003	5.0000e-004	1.0000e-005	5.0000e-004	0.0000	1.2338	1.2338	3.0000e-005	3.0000e-005	1.2436

3.7 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.5064					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9000e-003	0.0195	0.0308	5.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	4.3405	4.3405	2.4000e-004	0.0000	4.3465
Total	1.5093	0.0195	0.0308	5.0000e-005		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	4.3405	4.3405	2.4000e-004	0.0000	4.3465

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.1000e-004	3.6000e-004	5.8200e-003	2.0000e-005	2.6200e-003	1.0000e-005	2.6300e-003	7.0000e-004	1.0000e-005	7.1000e-004	0.0000	1.7274	1.7274	4.0000e-005	4.0000e-005	1.7411
Total	7.1000e-004	3.6000e-004	5.8200e-003	2.0000e-005	2.6200e-003	1.0000e-005	2.6300e-003	7.0000e-004	1.0000e-005	7.1000e-004	0.0000	1.7274	1.7274	4.0000e-005	4.0000e-005	1.7411

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.5064					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	2.1900e-003	0.0312	5.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	4.3405	4.3405	2.4000e-004	0.0000	4.3465
Total	1.5069	2.1900e-003	0.0312	5.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	4.3405	4.3405	2.4000e-004	0.0000	4.3465

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.1000e-004	3.6000e-004	5.8200e-003	2.0000e-005	2.6200e-003	1.0000e-005	2.6300e-003	7.0000e-004	1.0000e-005	7.1000e-004	0.0000	1.7274	1.7274	4.0000e-005	4.0000e-005	1.7411
Total	7.1000e-004	3.6000e-004	5.8200e-003	2.0000e-005	2.6200e-003	1.0000e-005	2.6300e-003	7.0000e-004	1.0000e-005	7.1000e-004	0.0000	1.7274	1.7274	4.0000e-005	4.0000e-005	1.7411

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Innovation Park CNU - Phase 2B
Sacramento County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	430.00	Space	3.87	181,000.00	0
Strip Mall	26.00	1000sqft	0.60	26,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2029
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	357.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Retail/Parking Building 1
 Land Use - Parking/retail
 Construction Phase - Construction schedule adjusted
 Grading -
 Trips and VMT - 20 trucks/day for grade/demo/site prep
 Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMPs

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	22.00
tblConstructionPhase	NumDays	230.00	286.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	8.00	13.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	18.00	22.00
tblConstructionPhase	NumDays	5.00	8.00
tblConstructionPhase	PhaseEndDate	5/9/2029	8/31/2029
tblConstructionPhase	PhaseEndDate	3/20/2029	6/29/2029
tblConstructionPhase	PhaseEndDate	4/13/2028	4/27/2028
tblConstructionPhase	PhaseEndDate	5/2/2028	5/26/2028
tblConstructionPhase	PhaseEndDate	4/13/2029	7/31/2029
tblConstructionPhase	PhaseEndDate	4/20/2028	5/9/2028
tblConstructionPhase	PhaseStartDate	4/14/2029	8/1/2029
tblConstructionPhase	PhaseStartDate	5/3/2028	5/26/2028
tblConstructionPhase	PhaseStartDate	4/21/2028	5/10/2028
tblConstructionPhase	PhaseStartDate	3/21/2029	7/2/2029
tblConstructionPhase	PhaseStartDate	4/14/2028	4/28/2028
tblLandUse	LandUseSquareFeet	172,000.00	181,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	600.00
tblTripsAndVMT	HaulingTripNumber	0.00	160.00
tblTripsAndVMT	HaulingTripNumber	0.00	260.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2028	0.1766	1.6573	1.8820	4.1500e-003	0.1998	0.0637	0.2635	0.0831	0.0596	0.1427	0.0000	369.5962	369.5962	0.0696	0.0120	374.9008
2029	0.2662	1.0088	1.3249	2.6800e-003	0.0561	0.0394	0.0955	0.0152	0.0371	0.0523	0.0000	236.4034	236.4034	0.0428	6.0900e-003	239.2864
Maximum	0.2662	1.6573	1.8820	4.1500e-003	0.1998	0.0637	0.2635	0.0831	0.0596	0.1427	0.0000	369.5962	369.5962	0.0696	0.0120	374.9008

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2028	0.0555	0.4189	2.0799	4.1500e-003	0.1313	6.0300e-003	0.1373	0.0486	5.9600e-003	0.0546	0.0000	369.5959	369.5959	0.0696	0.0120	374.9005
2029	0.1904	0.2594	1.4295	2.6800e-003	0.0561	3.6900e-003	0.0598	0.0152	3.6500e-003	0.0189	0.0000	236.4032	236.4032	0.0428	6.0900e-003	239.2862
Maximum	0.1904	0.4189	2.0799	4.1500e-003	0.1313	6.0300e-003	0.1373	0.0486	5.9600e-003	0.0546	0.0000	369.5959	369.5959	0.0696	0.0120	374.9005

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	44.46	74.56	-9.43	0.00	26.80	90.58	45.12	35.07	90.06	62.32	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-17-2028	6-16-2028	0.7336	0.1641
2	6-17-2028	9-16-2028	0.5124	0.1420
3	9-17-2028	12-16-2028	0.5097	0.1433
4	12-17-2028	3-16-2029	0.5035	0.1411
5	3-17-2029	6-16-2029	0.5116	0.1412
6	6-17-2029	9-16-2029	0.3242	0.1821
		Highest	0.7336	0.1821

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1284	5.0000e-005	5.8000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0113	0.0113	3.0000e-005	0.0000	0.0121
Energy	7.5000e-004	6.8400e-003	5.7500e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	214.7022	214.7022	0.0193	2.4500e-003	215.9142
Mobile	0.3194	0.3064	2.3290	4.1300e-003	0.4805	3.2100e-003	0.4837	0.1284	2.9900e-003	0.1314	0.0000	382.3827	382.3827	0.0339	0.0229	390.0608
Waste						0.0000	0.0000		0.0000	0.0000	5.5417	0.0000	5.5417	0.3275	0.0000	13.7292
Water						0.0000	0.0000		0.0000	0.0000	0.6814	2.2290	2.9104	2.5500e-003	1.5100e-003	3.4231
Total	0.4485	0.3133	2.3406	4.1700e-003	0.4805	3.7500e-003	0.4843	0.1284	3.5300e-003	0.1319	6.2230	599.3252	605.5482	0.3832	0.0269	623.1394

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1284	5.0000e-005	5.8000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0113	0.0113	3.0000e-005	0.0000	0.0121
Energy	7.5000e-004	6.8400e-003	5.7500e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	214.7022	214.7022	0.0193	2.4500e-003	215.9142
Mobile	0.3194	0.3064	2.3290	4.1300e-003	0.4805	3.2100e-003	0.4837	0.1284	2.9900e-003	0.1314	0.0000	382.3827	382.3827	0.0339	0.0229	390.0608
Waste						0.0000	0.0000		0.0000	0.0000	5.5417	0.0000	5.5417	0.3275	0.0000	13.7292
Water						0.0000	0.0000		0.0000	0.0000	0.6814	2.2290	2.9104	2.5500e-003	1.5100e-003	3.4231
Total	0.4485	0.3133	2.3406	4.1700e-003	0.4805	3.7500e-003	0.4843	0.1284	3.5300e-003	0.1319	6.2230	599.3252	605.5482	0.3832	0.0269	623.1394

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/17/2028	4/27/2028	5	30	
2	Site Preparation	Site Preparation	4/28/2028	5/9/2028	5	8	
3	Grading	Grading	5/10/2028	5/26/2028	5	13	

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4	Building Construction	Building Construction	5/26/2028	6/29/2029	5	286
5	Paving	Paving	7/2/2029	7/31/2029	5	22
6	Architectural Coating	Architectural Coating	8/1/2029	8/31/2029	5	22

Acres of Grading (Site Preparation Phase): 12

Acres of Grading (Grading Phase): 13

Acres of Paving: 3.87

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 39,000; Non-Residential Outdoor: 13,000; Striped Parking Area: 10,860 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37

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Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	600.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	160.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	260.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	84.00	34.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0314	0.2880	0.2913	5.8000e-004		0.0128	0.0128		0.0119	0.0119	0.0000	50.9965	50.9965	0.0142	0.0000	51.3525
Total	0.0314	0.2880	0.2913	5.8000e-004		0.0128	0.0128		0.0119	0.0119	0.0000	50.9965	50.9965	0.0142	0.0000	51.3525

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.1000e-004	0.0420	9.6900e-003	1.7000e-004	5.0700e-003	3.1000e-004	5.3800e-003	1.3900e-003	3.0000e-004	1.6900e-003	0.0000	16.7473	16.7473	6.7000e-004	2.6600e-003	17.5557
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	2.4000e-004	3.8400e-003	1.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.1174	1.1174	3.0000e-005	3.0000e-005	1.1265
Total	1.1900e-003	0.0422	0.0135	1.8000e-004	6.7200e-003	3.2000e-004	7.0400e-003	1.8300e-003	3.1000e-004	2.1400e-003	0.0000	17.8647	17.8647	7.0000e-004	2.6900e-003	18.6822

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3.2 Demolition - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9300e-003	0.0301	0.3492	5.8000e-004		9.2000e-004	9.2000e-004		9.2000e-004	9.2000e-004	0.0000	50.9964	50.9964	0.0142	0.0000	51.3524
Total	6.9300e-003	0.0301	0.3492	5.8000e-004		9.2000e-004	9.2000e-004		9.2000e-004	9.2000e-004	0.0000	50.9964	50.9964	0.0142	0.0000	51.3524

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.1000e-004	0.0420	9.6900e-003	1.7000e-004	5.0700e-003	3.1000e-004	5.3800e-003	1.3900e-003	3.0000e-004	1.6900e-003	0.0000	16.7473	16.7473	6.7000e-004	2.6600e-003	17.5557
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	2.4000e-004	3.8400e-003	1.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.1174	1.1174	3.0000e-005	3.0000e-005	1.1265
Total	1.1900e-003	0.0422	0.0135	1.8000e-004	6.7200e-003	3.2000e-004	7.0400e-003	1.8300e-003	3.1000e-004	2.1400e-003	0.0000	17.8647	17.8647	7.0000e-004	2.6900e-003	18.6822

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0786	0.0000	0.0786	0.0404	0.0000	0.0404	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.8900e-003	0.1009	0.0717	1.5000e-004		4.3500e-003	4.3500e-003		4.0000e-003	4.0000e-003	0.0000	13.3868	13.3868	4.3300e-003	0.0000	13.4950
Total	9.8900e-003	0.1009	0.0717	1.5000e-004	0.0786	4.3500e-003	0.0830	0.0404	4.0000e-003	0.0444	0.0000	13.3868	13.3868	4.3300e-003	0.0000	13.4950

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.9000e-004	0.0112	2.5800e-003	5.0000e-005	1.3500e-003	8.0000e-005	1.4400e-003	3.7000e-004	8.0000e-005	4.5000e-004	0.0000	4.4659	4.4659	1.8000e-004	7.1000e-004	4.6815
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	8.0000e-005	1.2300e-003	0.0000	5.3000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3576	0.3576	1.0000e-005	1.0000e-005	0.3605
Total	3.4000e-004	0.0113	3.8100e-003	5.0000e-005	1.8800e-003	8.0000e-005	1.9700e-003	5.1000e-004	8.0000e-005	5.9000e-004	0.0000	4.8235	4.8235	1.9000e-004	7.2000e-004	5.0420

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3.3 Site Preparation - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0354	0.0000	0.0354	0.0182	0.0000	0.0182	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8600e-003	8.0700e-003	0.0835	1.5000e-004		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	13.3868	13.3868	4.3300e-003	0.0000	13.4950
Total	1.8600e-003	8.0700e-003	0.0835	1.5000e-004	0.0354	2.5000e-004	0.0356	0.0182	2.5000e-004	0.0184	0.0000	13.3868	13.3868	4.3300e-003	0.0000	13.4950

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.9000e-004	0.0112	2.5800e-003	5.0000e-005	1.3500e-003	8.0000e-005	1.4400e-003	3.7000e-004	8.0000e-005	4.5000e-004	0.0000	4.4659	4.4659	1.8000e-004	7.1000e-004	4.6815
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	8.0000e-005	1.2300e-003	0.0000	5.3000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3576	0.3576	1.0000e-005	1.0000e-005	0.3605
Total	3.4000e-004	0.0113	3.8100e-003	5.0000e-005	1.8800e-003	8.0000e-005	1.9700e-003	5.1000e-004	8.0000e-005	5.9000e-004	0.0000	4.8235	4.8235	1.9000e-004	7.2000e-004	5.0420

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3.4 Grading - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0460	0.0000	0.0460	0.0223	0.0000	0.0223	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.9000e-003	0.0996	0.0945	1.9000e-004		4.0500e-003	4.0500e-003		3.7300e-003	3.7300e-003	0.0000	16.9454	16.9454	5.4800e-003	0.0000	17.0824
Total	9.9000e-003	0.0996	0.0945	1.9000e-004	0.0460	4.0500e-003	0.0501	0.0223	3.7300e-003	0.0260	0.0000	16.9454	16.9454	5.4800e-003	0.0000	17.0824

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	0.0182	4.2000e-003	7.0000e-005	2.2000e-003	1.4000e-004	2.3300e-003	6.0000e-004	1.3000e-004	7.3000e-004	0.0000	7.2572	7.2572	2.9000e-004	1.1500e-003	7.6075
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.1000e-004	1.6600e-003	1.0000e-005	7.2000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.4842	0.4842	1.0000e-005	1.0000e-005	0.4881
Total	5.2000e-004	0.0183	5.8600e-003	8.0000e-005	2.9200e-003	1.4000e-004	3.0500e-003	7.9000e-004	1.3000e-004	9.2000e-004	0.0000	7.7414	7.7414	3.0000e-004	1.1600e-003	8.0956

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3.4 Grading - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0207	0.0000	0.0207	0.0100	0.0000	0.0100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3600e-003	0.0102	0.1154	1.9000e-004		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	16.9454	16.9454	5.4800e-003	0.0000	17.0824
Total	2.3600e-003	0.0102	0.1154	1.9000e-004	0.0207	3.1000e-004	0.0210	0.0100	3.1000e-004	0.0103	0.0000	16.9454	16.9454	5.4800e-003	0.0000	17.0824

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	0.0182	4.2000e-003	7.0000e-005	2.2000e-003	1.4000e-004	2.3300e-003	6.0000e-004	1.3000e-004	7.3000e-004	0.0000	7.2572	7.2572	2.9000e-004	1.1500e-003	7.6075
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.1000e-004	1.6600e-003	1.0000e-005	7.2000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.4842	0.4842	1.0000e-005	1.0000e-005	0.4881
Total	5.2000e-004	0.0183	5.8600e-003	8.0000e-005	2.9200e-003	1.4000e-004	3.0500e-003	7.9000e-004	1.3000e-004	9.2000e-004	0.0000	7.7414	7.7414	3.0000e-004	1.1600e-003	8.0956

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1067	0.9726	1.2546	2.1000e-003		0.0412	0.0412		0.0387	0.0387	0.0000	180.8972	180.8972	0.0425	0.0000	181.9603
Total	0.1067	0.9726	1.2546	2.1000e-003		0.0412	0.0412		0.0387	0.0387	0.0000	180.8972	180.8972	0.0425	0.0000	181.9603

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8900e-003	0.1174	0.0350	4.6000e-004	0.0155	6.2000e-004	0.0161	4.4800e-003	5.9000e-004	5.0800e-003	0.0000	44.4008	44.4008	1.0800e-003	6.5800e-003	46.3877
Worker	0.0139	7.0600e-003	0.1118	3.5000e-004	0.0481	2.0000e-004	0.0483	0.0128	1.8000e-004	0.0130	0.0000	32.5399	32.5399	7.8000e-004	8.2000e-004	32.8032
Total	0.0168	0.1244	0.1468	8.1000e-004	0.0636	8.2000e-004	0.0645	0.0173	7.7000e-004	0.0181	0.0000	76.9407	76.9407	1.8600e-003	7.4000e-003	79.1908

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0256	0.1743	1.3619	2.1000e-003		3.1800e-003	3.1800e-003		3.1800e-003	3.1800e-003	0.0000	180.8970	180.8970	0.0425	0.0000	181.9600
Total	0.0256	0.1743	1.3619	2.1000e-003		3.1800e-003	3.1800e-003		3.1800e-003	3.1800e-003	0.0000	180.8970	180.8970	0.0425	0.0000	181.9600

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8900e-003	0.1174	0.0350	4.6000e-004	0.0155	6.2000e-004	0.0161	4.4800e-003	5.9000e-004	5.0800e-003	0.0000	44.4008	44.4008	1.0800e-003	6.5800e-003	46.3877
Worker	0.0139	7.0600e-003	0.1118	3.5000e-004	0.0481	2.0000e-004	0.0483	0.0128	1.8000e-004	0.0130	0.0000	32.5399	32.5399	7.8000e-004	8.2000e-004	32.8032
Total	0.0168	0.1244	0.1468	8.1000e-004	0.0636	8.2000e-004	0.0645	0.0173	7.7000e-004	0.0181	0.0000	76.9407	76.9407	1.8600e-003	7.4000e-003	79.1908

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0889	0.8105	1.0455	1.7500e-003		0.0343	0.0343		0.0323	0.0323	0.0000	150.7476	150.7476	0.0354	0.0000	151.6336
Total	0.0889	0.8105	1.0455	1.7500e-003		0.0343	0.0343		0.0323	0.0323	0.0000	150.7476	150.7476	0.0354	0.0000	151.6336

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3400e-003	0.0963	0.0288	3.7000e-004	0.0129	5.1000e-004	0.0134	3.7400e-003	4.8000e-004	4.2200e-003	0.0000	36.2747	36.2747	8.8000e-004	5.3800e-003	37.9002
Worker	0.0109	5.4600e-003	0.0890	2.9000e-004	0.0401	1.5000e-004	0.0403	0.0107	1.4000e-004	0.0108	0.0000	26.4183	26.4183	6.0000e-004	6.5000e-004	26.6284
Total	0.0133	0.1018	0.1178	6.6000e-004	0.0530	6.6000e-004	0.0537	0.0144	6.2000e-004	0.0150	0.0000	62.6930	62.6930	1.4800e-003	6.0300e-003	64.5286

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0213	0.1453	1.1349	1.7500e-003		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	150.7475	150.7475	0.0354	0.0000	151.6334
Total	0.0213	0.1453	1.1349	1.7500e-003		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	150.7475	150.7475	0.0354	0.0000	151.6334

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3400e-003	0.0963	0.0288	3.7000e-004	0.0129	5.1000e-004	0.0134	3.7400e-003	4.8000e-004	4.2200e-003	0.0000	36.2747	36.2747	8.8000e-004	5.3800e-003	37.9002
Worker	0.0109	5.4600e-003	0.0890	2.9000e-004	0.0401	1.5000e-004	0.0403	0.0107	1.4000e-004	0.0108	0.0000	26.4183	26.4183	6.0000e-004	6.5000e-004	26.6284
Total	0.0133	0.1018	0.1178	6.6000e-004	0.0530	6.6000e-004	0.0537	0.0144	6.2000e-004	0.0150	0.0000	62.6930	62.6930	1.4800e-003	6.0300e-003	64.5286

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.0200e-003	0.0829	0.1340	2.1000e-004		3.8800e-003	3.8800e-003		3.5900e-003	3.5900e-003	0.0000	18.0161	18.0161	5.6600e-003	0.0000	18.1576
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.0200e-003	0.0829	0.1340	2.1000e-004		3.8800e-003	3.8800e-003		3.5900e-003	3.5900e-003	0.0000	18.0161	18.0161	5.6600e-003	0.0000	18.1576

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	2.2000e-004	3.5900e-003	1.0000e-005	1.6200e-003	1.0000e-005	1.6200e-003	4.3000e-004	1.0000e-005	4.4000e-004	0.0000	1.0645	1.0645	2.0000e-005	3.0000e-005	1.0729
Total	4.4000e-004	2.2000e-004	3.5900e-003	1.0000e-005	1.6200e-003	1.0000e-005	1.6200e-003	4.3000e-004	1.0000e-005	4.4000e-004	0.0000	1.0645	1.0645	2.0000e-005	3.0000e-005	1.0729

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.4100e-003	0.0105	0.1489	2.1000e-004		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	18.0161	18.0161	5.6600e-003	0.0000	18.1576
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.4100e-003	0.0105	0.1489	2.1000e-004		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	18.0161	18.0161	5.6600e-003	0.0000	18.1576

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	2.2000e-004	3.5900e-003	1.0000e-005	1.6200e-003	1.0000e-005	1.6200e-003	4.3000e-004	1.0000e-005	4.4000e-004	0.0000	1.0645	1.0645	2.0000e-005	3.0000e-005	1.0729
Total	4.4000e-004	2.2000e-004	3.5900e-003	1.0000e-005	1.6200e-003	1.0000e-005	1.6200e-003	4.3000e-004	1.0000e-005	4.4000e-004	0.0000	1.0645	1.0645	2.0000e-005	3.0000e-005	1.0729

Innovation Park CNU - Phase 2B - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1523					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9600e-003	0.0132	0.0208	3.0000e-005		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	2.9362	2.9362	1.6000e-004	0.0000	2.9403
Total	0.1543	0.0132	0.0208	3.0000e-005		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	2.9362	2.9362	1.6000e-004	0.0000	2.9403

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.0000e-004	3.1900e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	0.9459	0.9459	2.0000e-005	2.0000e-005	0.9535
Total	3.9000e-004	2.0000e-004	3.1900e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	0.9459	0.9459	2.0000e-005	2.0000e-005	0.9535

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1523					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4000e-004	1.4800e-003	0.0211	3.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	2.9362	2.9362	1.6000e-004	0.0000	2.9402
Total	0.1526	1.4800e-003	0.0211	3.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	2.9362	2.9362	1.6000e-004	0.0000	2.9402

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.0000e-004	3.1900e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	0.9459	0.9459	2.0000e-005	2.0000e-005	0.9535
Total	3.9000e-004	2.0000e-004	3.1900e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	0.9459	0.9459	2.0000e-005	2.0000e-005	0.9535

Innovation Park CNU Phase 2C - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Innovation Park CNU Phase 2C

Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	38.00	1000sqft	0.87	38,000.00	0
Enclosed Parking Structure	127.00	Space	1.14	38,000.00	0
Apartments Mid Rise	250.00	Dwelling Unit	6.58	154,000.00	668

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2025
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	357.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Admin/ Dormitory Building 1 and Faculty Building 1 construction only

Land Use - Dorm 1 and Faculty bldg 1

Construction Phase - adjusted schedule13

Trips and VMT - 15 trucks per day for site prep, demo, grade

Grading -

Construction Off-road Equipment Mitigation - Tier 4 MM + Dust BMPs

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Parking	100	0
tblAreaCoating	Area_Nonresidential_Exterior	19000	0

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	16.00
tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	NumDays	20.00	17.00
tblConstructionPhase	NumDays	230.00	154.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	20.00	14.00
tblFleetMix	HHD	9.4370e-003	0.00
tblFleetMix	HHD	9.4370e-003	0.00
tblFleetMix	HHD	9.4370e-003	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.8830e-003	0.00
tblFleetMix	LHD2	5.8830e-003	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	LHD2	5.8830e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MH	3.2070e-003	0.00
tblFleetMix	MH	3.2070e-003	0.00
tblFleetMix	MH	3.2070e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	8.9800e-004	0.00
tblFleetMix	OBUS	8.9800e-004	0.00
tblFleetMix	OBUS	8.9800e-004	0.00
tblFleetMix	SBUS	9.5900e-004	0.00
tblFleetMix	SBUS	9.5900e-004	0.00
tblFleetMix	SBUS	9.5900e-004	0.00
tblFleetMix	UBUS	5.8100e-004	0.00
tblFleetMix	UBUS	5.8100e-004	0.00
tblFleetMix	UBUS	5.8100e-004	0.00
tblLandUse	LandUseSquareFeet	50,800.00	38,000.00
tblLandUse	LandUseSquareFeet	250,000.00	154,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	240.00
tblTripsAndVMT	HaulingTripNumber	0.00	120.00
tblTripsAndVMT	HaulingTripNumber	0.00	255.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.0703	0.6642	0.6384	1.5100e-003	0.1683	0.0270	0.1953	0.0775	0.0251	0.1026	0.0000	135.7564	135.7564	0.0274	4.7300e-003	137.8520
2025	1.1967	1.0091	1.4644	3.2000e-003	0.1160	0.0384	0.1544	0.0312	0.0361	0.0673	0.0000	285.1255	285.1255	0.0430	8.6300e-003	288.7708
Maximum	1.1967	1.0091	1.4644	3.2000e-003	0.1683	0.0384	0.1953	0.0775	0.0361	0.1026	0.0000	285.1255	285.1255	0.0430	8.6300e-003	288.7708

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.0220	0.1410	0.7187	1.5100e-003	0.0920	2.2500e-003	0.0942	0.0392	2.2200e-003	0.0415	0.0000	135.7563	135.7563	0.0274	4.7300e-003	137.8519
2025	1.1243	0.2907	1.5723	3.2000e-003	0.1160	4.0400e-003	0.1201	0.0312	3.9700e-003	0.0352	0.0000	285.1253	285.1253	0.0430	8.6300e-003	288.7706
Maximum	1.1243	0.2907	1.5723	3.2000e-003	0.1160	4.0400e-003	0.1201	0.0392	3.9700e-003	0.0415	0.0000	285.1253	285.1253	0.0430	8.6300e-003	288.7706

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	9.53	74.20	-8.95	0.00	26.85	90.39	38.73	35.19	89.88	54.89	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	10-2-2024	1-1-2025	0.7423	0.1667
2	1-2-2025	4-1-2025	0.5343	0.1719
3	4-2-2025	7-1-2025	0.5338	0.1686
4	7-2-2025	9-30-2025	1.0603	1.0047
		Highest	1.0603	1.0047

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8298	0.0297	2.5778	1.4000e-004		0.0143	0.0143		0.0143	0.0143	0.0000	4.2155	4.2155	4.0400e-003	0.0000	4.3166
Energy	0.0154	0.1327	0.0665	8.4000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	428.1670	428.1670	0.0284	5.8700e-003	430.6263
Mobile	0.0000	0.0000	0.0000	0.0000	1.2366	0.0000	1.2366	0.3035	0.0000	0.3035	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	30.5177	0.0000	30.5177	1.8035	0.0000	75.6062
Water						0.0000	0.0000		0.0000	0.0000	8.1524	26.8312	34.9836	0.0305	0.0180	41.1195
Total	0.8452	0.1623	2.6443	9.8000e-004	1.2366	0.0249	1.2616	0.3035	0.0249	0.3285	38.6701	459.2137	497.8838	1.8665	0.0239	551.6686

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8298	0.0297	2.5778	1.4000e-004		0.0143	0.0143		0.0143	0.0143	0.0000	4.2155	4.2155	4.0400e-003	0.0000	4.3166
Energy	0.0154	0.1327	0.0665	8.4000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	428.1670	428.1670	0.0284	5.8700e-003	430.6263
Mobile	0.0000	0.0000	0.0000	0.0000	1.2366	0.0000	1.2366	0.3035	0.0000	0.3035	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	30.5177	0.0000	30.5177	1.8035	0.0000	75.6062
Water						0.0000	0.0000		0.0000	0.0000	8.1524	26.8312	34.9836	0.0305	0.0180	41.1195
Total	0.8452	0.1623	2.6443	9.8000e-004	1.2366	0.0249	1.2616	0.3035	0.0249	0.3285	38.6701	459.2137	497.8838	1.8665	0.0239	551.6686

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/2/2024	10/23/2024	5	16	
2	Site Preparation	Site Preparation	10/24/2024	11/4/2024	5	8	
3	Grading	Grading	11/5/2024	11/27/2024	5	17	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Building Construction	Building Construction	11/27/2024	6/30/2025	5	154
5	Paving	Paving	7/1/2025	7/18/2025	5	14
6	Architectural Coating	Architectural Coating	7/21/2025	8/6/2025	5	14

Acres of Grading (Site Preparation Phase): 12

Acres of Grading (Grading Phase): 17

Acres of Paving: 1.14

Residential Indoor: 311,850; Residential Outdoor: 103,950; Non-Residential Indoor: 57,000; Non-Residential Outdoor: 19,000; Striped Parking Area: 2,280 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Architectural Coating	Air Compressors	1	6.00	78	0.48
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	240.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	120.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	255.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	208.00	39.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	42.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Water Exposed Area

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0180	0.1670	0.1577	3.1000e-004		7.6800e-003	7.6800e-003		7.1400e-003	7.1400e-003	0.0000	27.1968	27.1968	7.6100e-003	0.0000	27.3871
Total	0.0180	0.1670	0.1577	3.1000e-004		7.6800e-003	7.6800e-003		7.1400e-003	7.1400e-003	0.0000	27.1968	27.1968	7.6100e-003	0.0000	27.3871

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	0.0186	3.8500e-003	7.0000e-005	2.0300e-003	1.4000e-004	2.1700e-003	5.6000e-004	1.3000e-004	6.9000e-004	0.0000	7.3123	7.3123	2.9000e-004	1.1600e-003	7.6651
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	1.9000e-004	2.5900e-003	1.0000e-005	8.8000e-004	0.0000	8.9000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6755	0.6755	2.0000e-005	2.0000e-005	0.6816
Total	6.3000e-004	0.0188	6.4400e-003	8.0000e-005	2.9100e-003	1.4000e-004	3.0600e-003	7.9000e-004	1.3000e-004	9.3000e-004	0.0000	7.9878	7.9878	3.1000e-004	1.1800e-003	8.3467

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.7000e-003	0.0160	0.1862	3.1000e-004		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	27.1968	27.1968	7.6100e-003	0.0000	27.3870
Total	3.7000e-003	0.0160	0.1862	3.1000e-004		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	27.1968	27.1968	7.6100e-003	0.0000	27.3870

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	0.0186	3.8500e-003	7.0000e-005	2.0300e-003	1.4000e-004	2.1700e-003	5.6000e-004	1.3000e-004	6.9000e-004	0.0000	7.3123	7.3123	2.9000e-004	1.1600e-003	7.6651
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	1.9000e-004	2.5900e-003	1.0000e-005	8.8000e-004	0.0000	8.9000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6755	0.6755	2.0000e-005	2.0000e-005	0.6816
Total	6.3000e-004	0.0188	6.4400e-003	8.0000e-005	2.9100e-003	1.4000e-004	3.0600e-003	7.9000e-004	1.3000e-004	9.3000e-004	0.0000	7.9878	7.9878	3.1000e-004	1.1800e-003	8.3467

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0786	0.0000	0.0786	0.0404	0.0000	0.0404	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0106	0.1087	0.0733	1.5000e-004		4.9200e-003	4.9200e-003		4.5200e-003	4.5200e-003	0.0000	13.3828	13.3828	4.3300e-003	0.0000	13.4910
Total	0.0106	0.1087	0.0733	1.5000e-004	0.0786	4.9200e-003	0.0836	0.0404	4.5200e-003	0.0449	0.0000	13.3828	13.3828	4.3300e-003	0.0000	13.4910

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6000e-004	9.3100e-003	1.9200e-003	4.0000e-005	1.0100e-003	7.0000e-005	1.0800e-003	2.8000e-004	7.0000e-005	3.4000e-004	0.0000	3.6562	3.6562	1.5000e-004	5.8000e-004	3.8326
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.1000e-004	1.5600e-003	0.0000	5.3000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4053	0.4053	1.0000e-005	1.0000e-005	0.4089
Total	3.5000e-004	9.4200e-003	3.4800e-003	4.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	7.0000e-005	4.8000e-004	0.0000	4.0615	4.0615	1.6000e-004	5.9000e-004	4.2415

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0354	0.0000	0.0354	0.0182	0.0000	0.0182	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8600e-003	8.0700e-003	0.0835	1.5000e-004		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	13.3828	13.3828	4.3300e-003	0.0000	13.4910
Total	1.8600e-003	8.0700e-003	0.0835	1.5000e-004	0.0354	2.5000e-004	0.0356	0.0182	2.5000e-004	0.0184	0.0000	13.3828	13.3828	4.3300e-003	0.0000	13.4910

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6000e-004	9.3100e-003	1.9200e-003	4.0000e-005	1.0100e-003	7.0000e-005	1.0800e-003	2.8000e-004	7.0000e-005	3.4000e-004	0.0000	3.6562	3.6562	1.5000e-004	5.8000e-004	3.8326
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.1000e-004	1.5600e-003	0.0000	5.3000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4053	0.4053	1.0000e-005	1.0000e-005	0.4089
Total	3.5000e-004	9.4200e-003	3.4800e-003	4.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	7.0000e-005	4.8000e-004	0.0000	4.0615	4.0615	1.6000e-004	5.9000e-004	4.2415

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0602	0.0000	0.0602	0.0291	0.0000	0.0291	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0141	0.1448	0.1255	2.5000e-004		6.1600e-003	6.1600e-003		5.6600e-003	5.6600e-003	0.0000	22.1543	22.1543	7.1700e-003	0.0000	22.3335
Total	0.0141	0.1448	0.1255	2.5000e-004	0.0602	6.1600e-003	0.0664	0.0291	5.6600e-003	0.0348	0.0000	22.1543	22.1543	7.1700e-003	0.0000	22.3335

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.3000e-004	0.0198	4.0900e-003	8.0000e-005	2.1600e-003	1.5000e-004	2.3000e-003	5.9000e-004	1.4000e-004	7.3000e-004	0.0000	7.7694	7.7694	3.1000e-004	1.2300e-003	8.1442
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.0000e-004	2.7500e-003	1.0000e-005	9.4000e-004	0.0000	9.4000e-004	2.5000e-004	0.0000	2.5000e-004	0.0000	0.7177	0.7177	2.0000e-005	2.0000e-005	0.7242
Total	6.7000e-004	0.0200	6.8400e-003	9.0000e-005	3.1000e-003	1.5000e-004	3.2400e-003	8.4000e-004	1.4000e-004	9.8000e-004	0.0000	8.4870	8.4870	3.3000e-004	1.2500e-003	8.8684

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0271	0.0000	0.0271	0.0131	0.0000	0.0131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0900e-003	0.0134	0.1509	2.5000e-004		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	22.1543	22.1543	7.1700e-003	0.0000	22.3334
Total	3.0900e-003	0.0134	0.1509	2.5000e-004	0.0271	4.1000e-004	0.0275	0.0131	4.1000e-004	0.0135	0.0000	22.1543	22.1543	7.1700e-003	0.0000	22.3334

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.3000e-004	0.0198	4.0900e-003	8.0000e-005	2.1600e-003	1.5000e-004	2.3000e-003	5.9000e-004	1.4000e-004	7.3000e-004	0.0000	7.7694	7.7694	3.1000e-004	1.2300e-003	8.1442
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.0000e-004	2.7500e-003	1.0000e-005	9.4000e-004	0.0000	9.4000e-004	2.5000e-004	0.0000	2.5000e-004	0.0000	0.7177	0.7177	2.0000e-005	2.0000e-005	0.7242
Total	6.7000e-004	0.0200	6.8400e-003	9.0000e-005	3.1000e-003	1.5000e-004	3.2400e-003	8.4000e-004	1.4000e-004	9.8000e-004	0.0000	8.4870	8.4870	3.3000e-004	1.2500e-003	8.8684

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0184	0.1681	0.2021	3.4000e-004		7.6700e-003	7.6700e-003		7.2100e-003	7.2100e-003	0.0000	28.9811	28.9811	6.8500e-003	0.0000	29.1525
Total	0.0184	0.1681	0.2021	3.4000e-004		7.6700e-003	7.6700e-003		7.2100e-003	7.2100e-003	0.0000	28.9811	28.9811	6.8500e-003	0.0000	29.1525

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1000e-004	0.0233	6.9400e-003	9.0000e-005	2.8500e-003	1.2000e-004	2.9800e-003	8.2000e-004	1.2000e-004	9.4000e-004	0.0000	8.8699	8.8699	2.2000e-004	1.3000e-003	9.2640
Worker	6.9700e-003	4.1000e-003	0.0562	1.6000e-004	0.0191	1.0000e-004	0.0192	5.0800e-003	9.0000e-005	5.1700e-003	0.0000	14.6351	14.6351	4.4000e-004	4.1000e-004	14.7674
Total	7.5800e-003	0.0274	0.0631	2.5000e-004	0.0220	2.2000e-004	0.0222	5.9000e-003	2.1000e-004	6.1100e-003	0.0000	23.5050	23.5050	6.6000e-004	1.7100e-003	24.0314

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.1000e-003	0.0279	0.2183	3.4000e-004		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	28.9811	28.9811	6.8500e-003	0.0000	29.1524
Total	4.1000e-003	0.0279	0.2183	3.4000e-004		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	28.9811	28.9811	6.8500e-003	0.0000	29.1524

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1000e-004	0.0233	6.9400e-003	9.0000e-005	2.8500e-003	1.2000e-004	2.9800e-003	8.2000e-004	1.2000e-004	9.4000e-004	0.0000	8.8699	8.8699	2.2000e-004	1.3000e-003	9.2640
Worker	6.9700e-003	4.1000e-003	0.0562	1.6000e-004	0.0191	1.0000e-004	0.0192	5.0800e-003	9.0000e-005	5.1700e-003	0.0000	14.6351	14.6351	4.4000e-004	4.1000e-004	14.7674
Total	7.5800e-003	0.0274	0.0631	2.5000e-004	0.0220	2.2000e-004	0.0222	5.9000e-003	2.1000e-004	6.1100e-003	0.0000	23.5050	23.5050	6.6000e-004	1.7100e-003	24.0314

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0882	0.8043	1.0375	1.7400e-003		0.0340	0.0340		0.0320	0.0320	0.0000	149.5881	149.5881	0.0352	0.0000	150.4671
Total	0.0882	0.8043	1.0375	1.7400e-003		0.0340	0.0340		0.0320	0.0320	0.0000	149.5881	149.5881	0.0352	0.0000	150.4671

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0200e-003	0.1178	0.0350	4.6000e-004	0.0147	6.3000e-004	0.0154	4.2600e-003	6.0000e-004	4.8600e-003	0.0000	44.8428	44.8428	1.0900e-003	6.6100e-003	46.8389
Worker	0.0337	0.0190	0.2706	8.0000e-004	0.0985	4.8000e-004	0.0990	0.0262	4.4000e-004	0.0266	0.0000	72.9657	72.9657	2.0600e-003	1.9600e-003	73.6024
Total	0.0368	0.1367	0.3055	1.2600e-003	0.1133	1.1100e-003	0.1144	0.0305	1.0400e-003	0.0315	0.0000	117.8085	117.8085	3.1500e-003	8.5700e-003	120.4413

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0211	0.1441	1.1262	1.7400e-003		2.6300e-003	2.6300e-003		2.6300e-003	2.6300e-003	0.0000	149.5879	149.5879	0.0352	0.0000	150.4670
Total	0.0211	0.1441	1.1262	1.7400e-003		2.6300e-003	2.6300e-003		2.6300e-003	2.6300e-003	0.0000	149.5879	149.5879	0.0352	0.0000	150.4670

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0200e-003	0.1178	0.0350	4.6000e-004	0.0147	6.3000e-004	0.0154	4.2600e-003	6.0000e-004	4.8600e-003	0.0000	44.8428	44.8428	1.0900e-003	6.6100e-003	46.8389
Worker	0.0337	0.0190	0.2706	8.0000e-004	0.0985	4.8000e-004	0.0990	0.0262	4.4000e-004	0.0266	0.0000	72.9657	72.9657	2.0600e-003	1.9600e-003	73.6024
Total	0.0368	0.1367	0.3055	1.2600e-003	0.1133	1.1100e-003	0.1144	0.0305	1.0400e-003	0.0315	0.0000	117.8085	117.8085	3.1500e-003	8.5700e-003	120.4413

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4100e-003	0.0601	0.1021	1.6000e-004		2.9300e-003	2.9300e-003		2.7000e-003	2.7000e-003	0.0000	14.0135	14.0135	4.5300e-003	0.0000	14.1268
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.4100e-003	0.0601	0.1021	1.6000e-004		2.9300e-003	2.9300e-003		2.7000e-003	2.7000e-003	0.0000	14.0135	14.0135	4.5300e-003	0.0000	14.1268

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.5000e-004	2.1200e-003	1.0000e-005	7.7000e-004	0.0000	7.7000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5711	0.5711	2.0000e-005	2.0000e-005	0.5761
Total	2.6000e-004	1.5000e-004	2.1200e-003	1.0000e-005	7.7000e-004	0.0000	7.7000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5711	0.5711	2.0000e-005	2.0000e-005	0.5761

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9600e-003	8.5100e-003	0.1211	1.6000e-004		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	14.0135	14.0135	4.5300e-003	0.0000	14.1268
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.9600e-003	8.5100e-003	0.1211	1.6000e-004		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	14.0135	14.0135	4.5300e-003	0.0000	14.1268

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.5000e-004	2.1200e-003	1.0000e-005	7.7000e-004	0.0000	7.7000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5711	0.5711	2.0000e-005	2.0000e-005	0.5761
Total	2.6000e-004	1.5000e-004	2.1200e-003	1.0000e-005	7.7000e-004	0.0000	7.7000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5711	0.5711	2.0000e-005	2.0000e-005	0.5761

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0632					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1100e-003	7.4500e-003	0.0118	2.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	1.6596	1.6596	9.0000e-005	0.0000	1.6619
Total	1.0644	7.4500e-003	0.0118	2.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	1.6596	1.6596	9.0000e-005	0.0000	1.6619

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	3.9000e-004	5.5100e-003	2.0000e-005	2.0100e-003	1.0000e-005	2.0100e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.4848	1.4848	4.0000e-005	4.0000e-005	1.4977
Total	6.9000e-004	3.9000e-004	5.5100e-003	2.0000e-005	2.0100e-003	1.0000e-005	2.0100e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.4848	1.4848	4.0000e-005	4.0000e-005	1.4977

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0632					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9000e-004	8.4000e-004	0.0119	2.0000e-005		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	1.6596	1.6596	9.0000e-005	0.0000	1.6619
Total	1.0634	8.4000e-004	0.0119	2.0000e-005		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	1.6596	1.6596	9.0000e-005	0.0000	1.6619

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	3.9000e-004	5.5100e-003	2.0000e-005	2.0100e-003	1.0000e-005	2.0100e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.4848	1.4848	4.0000e-005	4.0000e-005	1.4977
Total	6.9000e-004	3.9000e-004	5.5100e-003	2.0000e-005	2.0100e-003	1.0000e-005	2.0100e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.4848	1.4848	4.0000e-005	4.0000e-005	1.4977

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Innovation Park CNU Phase 2D
Sacramento County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Day-Care Center	15.00	1000sqft	0.34	15,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2027
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	357.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - Daycare construction only
- Land Use - daycare part 1
- Construction Phase - schedule adjusted
- Grading -
- Trips and VMT - 15 trips / day for site prep, grade, demo
- Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMP

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	5.00	3.00
tblConstructionPhase	NumDays	100.00	55.00
tblConstructionPhase	NumDays	10.00	34.00
tblConstructionPhase	NumDays	2.00	4.00
tblConstructionPhase	NumDays	5.00	3.00
tblConstructionPhase	NumDays	1.00	3.00
tblConstructionPhase	PhaseEndDate	5/15/2026	4/15/2026
tblConstructionPhase	PhaseEndDate	5/1/2026	4/7/2026
tblConstructionPhase	PhaseEndDate	12/9/2025	1/12/2026
tblConstructionPhase	PhaseEndDate	12/12/2025	1/21/2026
tblConstructionPhase	PhaseEndDate	5/8/2026	4/10/2026
tblConstructionPhase	PhaseEndDate	12/10/2025	1/15/2026
tblConstructionPhase	PhaseStartDate	5/9/2026	4/13/2026

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	PhaseStartDate	12/13/2025	1/21/2026
tblConstructionPhase	PhaseStartDate	12/11/2025	1/16/2026
tblConstructionPhase	PhaseStartDate	5/2/2026	4/8/2026
tblConstructionPhase	PhaseStartDate	12/10/2025	1/13/2026
tblTripsAndVMT	HaulingTripNumber	0.00	510.00
tblTripsAndVMT	HaulingTripNumber	0.00	60.00
tblTripsAndVMT	HaulingTripNumber	0.00	45.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	8.2900e-003	0.0959	0.1046	2.8000e-004	4.2500e-003	2.9600e-003	7.2100e-003	1.1600e-003	2.8200e-003	3.9800e-003	0.0000	25.8927	25.8927	2.9100e-003	1.8600e-003	26.5210
2026	0.0914	0.2243	0.2618	5.2000e-004	0.0155	8.9700e-003	0.0245	6.3400e-003	8.3000e-003	0.0146	0.0000	46.1873	46.1873	0.0116	1.2200e-003	46.8416
Maximum	0.0914	0.2243	0.2618	5.2000e-004	0.0155	8.9700e-003	0.0245	6.3400e-003	8.3000e-003	0.0146	0.0000	46.1873	46.1873	0.0116	1.8600e-003	46.8416

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	2.5500e-003	0.0371	0.1110	2.8000e-004	4.2500e-003	4.5000e-004	4.7000e-003	1.1600e-003	4.4000e-004	1.6000e-003	0.0000	25.8927	25.8927	2.9100e-003	1.8600e-003	26.5210
2026	0.0756	0.0415	0.2885	5.2000e-004	9.2500e-003	8.3000e-004	0.0101	3.4700e-003	8.2000e-004	4.2900e-003	0.0000	46.1872	46.1872	0.0116	1.2200e-003	46.8415
Maximum	0.0756	0.0415	0.2885	5.2000e-004	9.2500e-003	8.3000e-004	0.0101	3.4700e-003	8.2000e-004	4.2900e-003	0.0000	46.1872	46.1872	0.0116	1.8600e-003	46.8415

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	21.60	75.45	-9.03	0.00	31.75	89.27	53.39	38.27	88.67	68.37	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	11-26-2025	2-25-2026	0.2507	0.0740
2	2-26-2026	5-25-2026	0.1471	0.0632
		Highest	0.2507	0.0740

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0656	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.7000e-004	3.7000e-004	0.0000	0.0000	4.0000e-004
Energy	1.2200e-003	0.0111	9.3400e-003	7.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004	0.0000	29.3961	29.3961	1.8300e-003	4.2000e-004	29.5654
Mobile	0.1623	0.1417	1.0503	1.6400e-003	0.1764	1.4100e-003	0.1779	0.0472	1.3200e-003	0.0485	0.0000	151.9755	151.9755	0.0160	0.0103	155.4409
Waste						0.0000	0.0000		0.0000	0.0000	3.9583	0.0000	3.9583	0.2339	0.0000	9.8066
Water						0.0000	0.0000		0.0000	0.0000	0.2276	1.4607	1.6883	9.2000e-004	5.1000e-004	1.8636
Total	0.2291	0.1528	1.0598	1.7100e-003	0.1764	2.2500e-003	0.1787	0.0472	2.1600e-003	0.0493	4.1859	182.8327	187.0186	0.2527	0.0112	196.6769

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0656	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.7000e-004	3.7000e-004	0.0000	0.0000	4.0000e-004
Energy	1.2200e-003	0.0111	9.3400e-003	7.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004	0.0000	29.3961	29.3961	1.8300e-003	4.2000e-004	29.5654
Mobile	0.1623	0.1417	1.0503	1.6400e-003	0.1764	1.4100e-003	0.1779	0.0472	1.3200e-003	0.0485	0.0000	151.9755	151.9755	0.0160	0.0103	155.4409
Waste						0.0000	0.0000		0.0000	0.0000	3.9583	0.0000	3.9583	0.2339	0.0000	9.8066
Water						0.0000	0.0000		0.0000	0.0000	0.2276	1.4607	1.6883	9.2000e-004	5.1000e-004	1.8636
Total	0.2291	0.1528	1.0598	1.7100e-003	0.1764	2.2500e-003	0.1787	0.0472	2.1600e-003	0.0493	4.1859	182.8327	187.0186	0.2527	0.0112	196.6769

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/26/2025	1/12/2026	5	34	
2	Site Preparation	Site Preparation	1/13/2026	1/15/2026	5	3	
3	Grading	Grading	1/16/2026	1/21/2026	5	4	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Building Construction	Building Construction	1/21/2026	4/7/2026	5	55
5	Paving	Paving	4/8/2026	4/10/2026	5	3
6	Architectural Coating	Architectural Coating	4/13/2026	4/15/2026	5	3

Acres of Grading (Site Preparation Phase): 1.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 22,500; Non-Residential Outdoor: 7,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Grading	Graders	1	6.00	187	0.41
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	1.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	6.00	2.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	4	10.00	0.00	510.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	60.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	45.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.4700e-003	0.0663	0.0957	1.6000e-004		2.7300e-003	2.7300e-003		2.6100e-003	2.6100e-003	0.0000	13.5520	13.5520	2.4300e-003	0.0000	13.6128
Total	7.4700e-003	0.0663	0.0957	1.6000e-004		2.7300e-003	2.7300e-003		2.6100e-003	2.6100e-003	0.0000	13.5520	13.5520	2.4300e-003	0.0000	13.6128

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.9000e-004	0.0295	6.2800e-003	1.2000e-004	3.3000e-003	2.2000e-004	3.5200e-003	9.1000e-004	2.1000e-004	1.1200e-003	0.0000	11.6336	11.6336	4.6000e-004	1.8400e-003	12.1951
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	1.8000e-004	2.6200e-003	1.0000e-005	9.5000e-004	0.0000	9.6000e-004	2.5000e-004	0.0000	2.6000e-004	0.0000	0.7070	0.7070	2.0000e-005	2.0000e-005	0.7132
Total	8.2000e-004	0.0296	8.9000e-003	1.3000e-004	4.2500e-003	2.2000e-004	4.4800e-003	1.1600e-003	2.1000e-004	1.3800e-003	0.0000	12.3407	12.3407	4.8000e-004	1.8600e-003	12.9083

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.7200e-003	7.4700e-003	0.1021	1.6000e-004		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	13.5520	13.5520	2.4300e-003	0.0000	13.6128
Total	1.7200e-003	7.4700e-003	0.1021	1.6000e-004		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	13.5520	13.5520	2.4300e-003	0.0000	13.6128

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.9000e-004	0.0295	6.2800e-003	1.2000e-004	3.3000e-003	2.2000e-004	3.5200e-003	9.1000e-004	2.1000e-004	1.1200e-003	0.0000	11.6336	11.6336	4.6000e-004	1.8400e-003	12.1951
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	1.8000e-004	2.6200e-003	1.0000e-005	9.5000e-004	0.0000	9.6000e-004	2.5000e-004	0.0000	2.6000e-004	0.0000	0.7070	0.7070	2.0000e-005	2.0000e-005	0.7132
Total	8.2000e-004	0.0296	8.9000e-003	1.3000e-004	4.2500e-003	2.2000e-004	4.4800e-003	1.1600e-003	2.1000e-004	1.3800e-003	0.0000	12.3407	12.3407	4.8000e-004	1.8600e-003	12.9083

3.2 Demolition - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.3000e-003	0.0204	0.0295	5.0000e-005		8.4000e-004	8.4000e-004		8.0000e-004	8.0000e-004	0.0000	4.1699	4.1699	7.5000e-004	0.0000	4.1886
Total	2.3000e-003	0.0204	0.0295	5.0000e-005		8.4000e-004	8.4000e-004		8.0000e-004	8.0000e-004	0.0000	4.1699	4.1699	7.5000e-004	0.0000	4.1886

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5000e-004	8.8100e-003	1.9300e-003	4.0000e-005	1.0100e-003	7.0000e-005	1.0800e-003	2.8000e-004	6.0000e-005	3.4000e-004	0.0000	3.5042	3.5042	1.4000e-004	5.6000e-004	3.6734
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	5.0000e-005	7.6000e-004	0.0000	2.9000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2107	0.2107	1.0000e-005	1.0000e-005	0.2124
Total	2.4000e-004	8.8600e-003	2.6900e-003	4.0000e-005	1.3000e-003	7.0000e-005	1.3800e-003	3.6000e-004	6.0000e-005	4.2000e-004	0.0000	3.7149	3.7149	1.5000e-004	5.7000e-004	3.8858

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.3000e-004	2.3000e-003	0.0314	5.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	4.1699	4.1699	7.5000e-004	0.0000	4.1885
Total	5.3000e-004	2.3000e-003	0.0314	5.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	4.1699	4.1699	7.5000e-004	0.0000	4.1885

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5000e-004	8.8100e-003	1.9300e-003	4.0000e-005	1.0100e-003	7.0000e-005	1.0800e-003	2.8000e-004	6.0000e-005	3.4000e-004	0.0000	3.5042	3.5042	1.4000e-004	5.6000e-004	3.6734
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	5.0000e-005	7.6000e-004	0.0000	2.9000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2107	0.2107	1.0000e-005	1.0000e-005	0.2124
Total	2.4000e-004	8.8600e-003	2.6900e-003	4.0000e-005	1.3000e-003	7.0000e-005	1.3800e-003	3.6000e-004	6.0000e-005	4.2000e-004	0.0000	3.7149	3.7149	1.5000e-004	5.7000e-004	3.8858

3.3 Site Preparation - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.0000e-004	0.0000	8.0000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6000e-004	7.1900e-003	5.7400e-003	1.0000e-005		2.5000e-004	2.5000e-004		2.3000e-004	2.3000e-004	0.0000	1.2823	1.2823	4.1000e-004	0.0000	1.2926
Total	6.6000e-004	7.1900e-003	5.7400e-003	1.0000e-005	8.0000e-004	2.5000e-004	1.0500e-003	9.0000e-005	2.3000e-004	3.2000e-004	0.0000	1.2823	1.2823	4.1000e-004	0.0000	1.2926

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.0000e-005	3.3100e-003	7.3000e-004	1.0000e-005	3.8000e-004	2.0000e-005	4.0000e-004	1.0000e-004	2.0000e-005	1.3000e-004	0.0000	1.3141	1.3141	5.0000e-005	2.1000e-004	1.3775
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.4000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0395	0.0395	0.0000	0.0000	0.0398
Total	8.0000e-005	3.3200e-003	8.7000e-004	1.0000e-005	4.4000e-004	2.0000e-005	4.6000e-004	1.1000e-004	2.0000e-005	1.4000e-004	0.0000	1.3536	1.3536	5.0000e-005	2.1000e-004	1.4173

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.6000e-004	0.0000	3.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8000e-004	7.7000e-004	7.9800e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.2823	1.2823	4.1000e-004	0.0000	1.2926
Total	1.8000e-004	7.7000e-004	7.9800e-003	1.0000e-005	3.6000e-004	2.0000e-005	3.8000e-004	4.0000e-005	2.0000e-005	6.0000e-005	0.0000	1.2823	1.2823	4.1000e-004	0.0000	1.2926

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.0000e-005	3.3100e-003	7.3000e-004	1.0000e-005	3.8000e-004	2.0000e-005	4.0000e-004	1.0000e-004	2.0000e-005	1.3000e-004	0.0000	1.3141	1.3141	5.0000e-005	2.1000e-004	1.3775
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.4000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0395	0.0395	0.0000	0.0000	0.0398
Total	8.0000e-005	3.3200e-003	8.7000e-004	1.0000e-005	4.4000e-004	2.0000e-005	4.6000e-004	1.1000e-004	2.0000e-005	1.4000e-004	0.0000	1.3536	1.3536	5.0000e-005	2.1000e-004	1.4173

3.4 Grading - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0106	0.0000	0.0106	5.1400e-003	0.0000	5.1400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6700e-003	0.0175	0.0108	3.0000e-005		7.0000e-004	7.0000e-004		6.4000e-004	6.4000e-004	0.0000	2.4761	2.4761	8.0000e-004	0.0000	2.4961
Total	1.6700e-003	0.0175	0.0108	3.0000e-005	0.0106	7.0000e-004	0.0113	5.1400e-003	6.4000e-004	5.7800e-003	0.0000	2.4761	2.4761	8.0000e-004	0.0000	2.4961

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.0000e-005	4.4100e-003	9.7000e-004	2.0000e-005	5.1000e-004	3.0000e-005	5.4000e-004	1.4000e-004	3.0000e-005	1.7000e-004	0.0000	1.7521	1.7521	7.0000e-005	2.8000e-004	1.8367
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	3.0000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0843	0.0843	0.0000	0.0000	0.0850
Total	1.1000e-004	4.4300e-003	1.2700e-003	2.0000e-005	6.3000e-004	3.0000e-005	6.6000e-004	1.7000e-004	3.0000e-005	2.0000e-004	0.0000	1.8364	1.8364	7.0000e-005	2.8000e-004	1.9217

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.7800e-003	0.0000	4.7800e-003	2.3100e-003	0.0000	2.3100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4000e-004	1.4900e-003	0.0143	3.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	2.4761	2.4761	8.0000e-004	0.0000	2.4961
Total	3.4000e-004	1.4900e-003	0.0143	3.0000e-005	4.7800e-003	5.0000e-005	4.8300e-003	2.3100e-003	5.0000e-005	2.3600e-003	0.0000	2.4761	2.4761	8.0000e-004	0.0000	2.4961

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.0000e-005	4.4100e-003	9.7000e-004	2.0000e-005	5.1000e-004	3.0000e-005	5.4000e-004	1.4000e-004	3.0000e-005	1.7000e-004	0.0000	1.7521	1.7521	7.0000e-005	2.8000e-004	1.8367
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	3.0000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0843	0.0843	0.0000	0.0000	0.0850
Total	1.1000e-004	4.4300e-003	1.2700e-003	2.0000e-005	6.3000e-004	3.0000e-005	6.6000e-004	1.7000e-004	3.0000e-005	2.0000e-004	0.0000	1.8364	1.8364	7.0000e-005	2.8000e-004	1.9217

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0152	0.1508	0.1933	3.1000e-004		6.6300e-003	6.6300e-003		6.1000e-003	6.1000e-003	0.0000	27.5813	27.5813	8.9200e-003	0.0000	27.8043
Total	0.0152	0.1508	0.1933	3.1000e-004		6.6300e-003	6.6300e-003		6.1000e-003	6.1000e-003	0.0000	27.5813	27.5813	8.9200e-003	0.0000	27.8043

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	2.5200e-003	7.5000e-004	1.0000e-005	3.2000e-004	1.0000e-005	3.4000e-004	9.0000e-005	1.0000e-005	1.1000e-004	0.0000	0.9607	0.9607	2.0000e-005	1.4000e-004	1.0036
Worker	3.9000e-004	2.1000e-004	3.1300e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.8690	0.8690	2.0000e-005	2.0000e-005	0.8763
Total	4.5000e-004	2.7300e-003	3.8800e-003	2.0000e-005	1.5300e-003	2.0000e-005	1.5600e-003	4.1000e-004	2.0000e-005	4.4000e-004	0.0000	1.8297	1.8297	4.0000e-005	1.6000e-004	1.8799

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.8400e-003	0.0166	0.2125	3.1000e-004		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	27.5813	27.5813	8.9200e-003	0.0000	27.8043
Total	3.8400e-003	0.0166	0.2125	3.1000e-004		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	27.5813	27.5813	8.9200e-003	0.0000	27.8043

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	2.5200e-003	7.5000e-004	1.0000e-005	3.2000e-004	1.0000e-005	3.4000e-004	9.0000e-005	1.0000e-005	1.1000e-004	0.0000	0.9607	0.9607	2.0000e-005	1.4000e-004	1.0036
Worker	3.9000e-004	2.1000e-004	3.1300e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.8690	0.8690	2.0000e-005	2.0000e-005	0.8763
Total	4.5000e-004	2.7300e-003	3.8800e-003	2.0000e-005	1.5300e-003	2.0000e-005	1.5600e-003	4.1000e-004	2.0000e-005	4.4000e-004	0.0000	1.8297	1.8297	4.0000e-005	1.6000e-004	1.8799

3.6 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.5000e-004	7.3800e-003	0.0105	2.0000e-005		3.3000e-004	3.3000e-004		3.1000e-004	3.1000e-004	0.0000	1.4101	1.4101	4.1000e-004	0.0000	1.4204
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.5000e-004	7.3800e-003	0.0105	2.0000e-005		3.3000e-004	3.3000e-004		3.1000e-004	3.1000e-004	0.0000	1.4101	1.4101	4.1000e-004	0.0000	1.4204

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	3.0000e-005	5.1000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1422	0.1422	0.0000	0.0000	0.1434
Total	6.0000e-005	3.0000e-005	5.1000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1422	0.1422	0.0000	0.0000	0.1434

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.7000e-004	7.3000e-004	0.0104	2.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.4101	1.4101	4.1000e-004	0.0000	1.4204
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.7000e-004	7.3000e-004	0.0104	2.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.4101	1.4101	4.1000e-004	0.0000	1.4204

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	3.0000e-005	5.1000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1422	0.1422	0.0000	0.0000	0.1434
Total	6.0000e-005	3.0000e-005	5.1000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1422	0.1422	0.0000	0.0000	0.1434

3.7 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0695					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6000e-004	1.7200e-003	2.7100e-003	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.3830	0.3830	2.0000e-005	0.0000	0.3835
Total	0.0698	1.7200e-003	2.7100e-003	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.3830	0.3830	2.0000e-005	0.0000	0.3835

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	7.9000e-003	7.9000e-003	0.0000	0.0000	7.9700e-003
Total	0.0000	0.0000	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	7.9000e-003	7.9000e-003	0.0000	0.0000	7.9700e-003

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0695					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0000e-005	1.9000e-004	2.7500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.3830	0.3830	2.0000e-005	0.0000	0.3835
Total	0.0696	1.9000e-004	2.7500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.3830	0.3830	2.0000e-005	0.0000	0.3835

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	7.9000e-003	7.9000e-003	0.0000	0.0000	7.9700e-003
Total	0.0000	0.0000	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	7.9000e-003	7.9000e-003	0.0000	0.0000	7.9700e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Innovation Park CNU Phase 2E
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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	166.80	1000sqft	3.83	166,800.00	0
Enclosed Parking Structure	83.00	Space	0.75	33,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2028
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	357.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - pharm bldg 2
 Land Use - Pharm BLDG 2
 Construction Phase - Schedule adjusted
 Grading -
 Trips and VMT - 15 truck/day
 Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMP

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	24.00
tblConstructionPhase	NumDays	230.00	312.00
tblConstructionPhase	NumDays	20.00	24.00
tblConstructionPhase	NumDays	8.00	11.00

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tblConstructionPhase	NumDays	18.00	24.00
tblConstructionPhase	NumDays	5.00	6.00
tblConstructionPhase	PhaseEndDate	4/11/2028	8/31/2028
tblConstructionPhase	PhaseEndDate	2/21/2028	6/23/2028
tblConstructionPhase	PhaseEndDate	3/17/2027	3/23/2027
tblConstructionPhase	PhaseEndDate	4/5/2027	4/15/2027
tblConstructionPhase	PhaseEndDate	3/16/2028	7/27/2028
tblConstructionPhase	PhaseEndDate	3/24/2027	3/31/2027
tblConstructionPhase	PhaseStartDate	3/17/2028	7/28/2028
tblConstructionPhase	PhaseStartDate	4/6/2027	4/15/2027
tblConstructionPhase	PhaseStartDate	3/25/2027	4/1/2027
tblConstructionPhase	PhaseStartDate	2/22/2028	6/26/2028
tblConstructionPhase	PhaseStartDate	3/18/2027	3/24/2027
tblTripsAndVMT	HaulingTripNumber	0.00	360.00
tblTripsAndVMT	HaulingTripNumber	0.00	165.00
tblTripsAndVMT	HaulingTripNumber	0.00	90.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2027	0.1877	1.7467	2.0398	4.3500e-003	0.1695	0.0675	0.2370	0.0686	0.0633	0.1319	0.0000	385.9348	385.9348	0.0731	0.0114	391.1722
2028	0.9195	0.9803	1.2796	2.5500e-003	0.0458	0.0385	0.0842	0.0125	0.0362	0.0486	0.0000	225.1221	225.1221	0.0418	5.6900e-003	227.8623
Maximum	0.9195	1.7467	2.0398	4.3500e-003	0.1695	0.0675	0.2370	0.0686	0.0633	0.1319	0.0000	385.9348	385.9348	0.0731	0.0114	391.1722

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2027	0.0585	0.4382	2.2413	4.3500e-003	0.1157	6.2800e-003	0.1219	0.0416	6.2200e-003	0.0478	0.0000	385.9345	385.9345	0.0731	0.0114	391.1719
2028	0.8456	0.2489	1.3821	2.5500e-003	0.0458	3.5700e-003	0.0494	0.0125	3.5400e-003	0.0160	0.0000	225.1219	225.1219	0.0418	5.6900e-003	227.8621
Maximum	0.8456	0.4382	2.2413	4.3500e-003	0.1157	6.2800e-003	0.1219	0.0416	6.2200e-003	0.0478	0.0000	385.9345	385.9345	0.0731	0.0114	391.1719

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	18.34	74.80	-9.16	0.00	25.02	90.71	46.69	33.32	90.18	64.65	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	2-18-2027	5-17-2027	0.6566	0.1432
2	5-18-2027	8-17-2027	0.5104	0.1399
3	8-18-2027	11-17-2027	0.5121	0.1417
4	11-18-2027	2-17-2028	0.5130	0.1426
5	2-18-2028	5-17-2028	0.4996	0.1372
6	5-18-2028	8-17-2028	0.7973	0.5575
7	8-18-2028	9-30-2028	0.3309	0.3251
		Highest	0.7973	0.5575

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.7317	3.0000e-005	3.1800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.2000e-003	6.2000e-003	2.0000e-005	0.0000	6.6000e-003
Energy	0.0602	0.5473	0.4598	3.2800e-003		0.0416	0.0416		0.0416	0.0416	0.0000	1,148.2256	1,148.2256	0.0623	0.0171	1,154.8787
Mobile	0.6556	0.7905	5.9425	0.0127	1.4792	9.4100e-003	1.4886	0.3953	8.7900e-003	0.4041	0.0000	1,172.5642	1,172.5642	0.0811	0.0586	1,192.0447
Waste						0.0000	0.0000		0.0000	0.0000	365.6760	0.0000	365.6760	21.6108	0.0000	905.9469
Water						0.0000	0.0000		0.0000	0.0000	7.4051	19.1995	26.6046	0.0273	0.0163	32.1489
Total	1.4474	1.3379	6.4054	0.0159	1.4792	0.0510	1.5302	0.3953	0.0504	0.4457	373.0812	2,339.9954	2,713.0766	21.7815	0.0920	3,285.0258

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.7317	3.0000e-005	3.1800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.2000e-003	6.2000e-003	2.0000e-005	0.0000	6.6000e-003
Energy	0.0602	0.5473	0.4598	3.2800e-003		0.0416	0.0416		0.0416	0.0416	0.0000	1,148.2256	1,148.2256	0.0623	0.0171	1,154.8787
Mobile	0.6556	0.7905	5.9425	0.0127	1.4792	9.4100e-003	1.4886	0.3953	8.7900e-003	0.4041	0.0000	1,172.5642	1,172.5642	0.0811	0.0586	1,192.0447
Waste						0.0000	0.0000		0.0000	0.0000	365.6760	0.0000	365.6760	21.6108	0.0000	905.9469
Water						0.0000	0.0000		0.0000	0.0000	7.4051	19.1995	26.6046	0.0273	0.0163	32.1489
Total	1.4474	1.3379	6.4054	0.0159	1.4792	0.0510	1.5302	0.3953	0.0504	0.4457	373.0812	2,339.9954	2,713.0766	21.7815	0.0920	3,285.0258

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/18/2027	3/23/2027	5	24	
2	Site Preparation	Site Preparation	3/24/2027	3/31/2027	5	6	
3	Grading	Grading	4/1/2027	4/15/2027	5	11	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Building Construction	Building Construction	4/15/2027	6/23/2028	5	312
5	Paving	Paving	6/26/2028	7/27/2028	5	24
6	Architectural Coating	Architectural Coating	7/28/2028	8/31/2028	5	24

Acres of Grading (Site Preparation Phase): 9

Acres of Grading (Grading Phase): 11

Acres of Paving: 0.75

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 250,200; Non-Residential Outdoor: 83,400; Striped Parking Area: 1,992 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37

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Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	13.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	67.00	33.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	360.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	165.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	90.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0251	0.2304	0.2330	4.7000e-004		0.0102	0.0102		9.5000e-003	9.5000e-003	0.0000	40.7972	40.7972	0.0114	0.0000	41.0820
Total	0.0251	0.2304	0.2330	4.7000e-004		0.0102	0.0102		9.5000e-003	9.5000e-003	0.0000	40.7972	40.7972	0.0114	0.0000	41.0820

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3000e-004	0.0258	5.8000e-003	1.0000e-004	3.0400e-003	1.9000e-004	3.2300e-003	8.4000e-004	1.8000e-004	1.0200e-003	0.0000	10.2747	10.2747	4.1000e-004	1.6300e-003	10.7706
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.1000e-004	3.2300e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	0.9196	0.9196	2.0000e-005	2.0000e-005	0.9272
Total	8.3000e-004	0.0260	9.0300e-003	1.1000e-004	4.3600e-003	2.0000e-004	4.5600e-003	1.1900e-003	1.9000e-004	1.3800e-003	0.0000	11.1942	11.1942	4.3000e-004	1.6500e-003	11.6977

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3.2 Demolition - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.5500e-003	0.0240	0.2794	4.7000e-004		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	40.7971	40.7971	0.0114	0.0000	41.0819
Total	5.5500e-003	0.0240	0.2794	4.7000e-004		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	40.7971	40.7971	0.0114	0.0000	41.0819

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3000e-004	0.0258	5.8000e-003	1.0000e-004	3.0400e-003	1.9000e-004	3.2300e-003	8.4000e-004	1.8000e-004	1.0200e-003	0.0000	10.2747	10.2747	4.1000e-004	1.6300e-003	10.7706
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.1000e-004	3.2300e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	0.9196	0.9196	2.0000e-005	2.0000e-005	0.9272
Total	8.3000e-004	0.0260	9.0300e-003	1.1000e-004	4.3600e-003	2.0000e-004	4.5600e-003	1.1900e-003	1.9000e-004	1.3800e-003	0.0000	11.1942	11.1942	4.3000e-004	1.6500e-003	11.6977

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0590	0.0000	0.0590	0.0303	0.0000	0.0303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4200e-003	0.0757	0.0537	1.1000e-004		3.2600e-003	3.2600e-003		3.0000e-003	3.0000e-003	0.0000	10.0401	10.0401	3.2500e-003	0.0000	10.1213
Total	7.4200e-003	0.0757	0.0537	1.1000e-004	0.0590	3.2600e-003	0.0622	0.0303	3.0000e-003	0.0333	0.0000	10.0401	10.0401	3.2500e-003	0.0000	10.1213

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1000e-004	6.4400e-003	1.4500e-003	3.0000e-005	7.6000e-004	5.0000e-005	8.1000e-004	2.1000e-004	5.0000e-005	2.5000e-004	0.0000	2.5687	2.5687	1.0000e-004	4.1000e-004	2.6926
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	6.0000e-005	9.7000e-004	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.2759	0.2759	1.0000e-005	1.0000e-005	0.2782
Total	2.3000e-004	6.5000e-003	2.4200e-003	3.0000e-005	1.1600e-003	5.0000e-005	1.2100e-003	3.2000e-004	5.0000e-005	3.6000e-004	0.0000	2.8445	2.8445	1.1000e-004	4.2000e-004	2.9708

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3.3 Site Preparation - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0265	0.0000	0.0265	0.0136	0.0000	0.0136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4000e-003	6.0500e-003	0.0626	1.1000e-004		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	10.0401	10.0401	3.2500e-003	0.0000	10.1213
Total	1.4000e-003	6.0500e-003	0.0626	1.1000e-004	0.0265	1.9000e-004	0.0267	0.0136	1.9000e-004	0.0138	0.0000	10.0401	10.0401	3.2500e-003	0.0000	10.1213

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1000e-004	6.4400e-003	1.4500e-003	3.0000e-005	7.6000e-004	5.0000e-005	8.1000e-004	2.1000e-004	5.0000e-005	2.5000e-004	0.0000	2.5687	2.5687	1.0000e-004	4.1000e-004	2.6926
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	6.0000e-005	9.7000e-004	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.2759	0.2759	1.0000e-005	1.0000e-005	0.2782
Total	2.3000e-004	6.5000e-003	2.4200e-003	3.0000e-005	1.1600e-003	5.0000e-005	1.2100e-003	3.2000e-004	5.0000e-005	3.6000e-004	0.0000	2.8445	2.8445	1.1000e-004	4.2000e-004	2.9708

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0390	0.0000	0.0390	0.0188	0.0000	0.0188	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3700e-003	0.0842	0.0800	1.6000e-004		3.4300e-003	3.4300e-003		3.1600e-003	3.1600e-003	0.0000	14.3384	14.3384	4.6400e-003	0.0000	14.4543
Total	8.3700e-003	0.0842	0.0800	1.6000e-004	0.0390	3.4300e-003	0.0424	0.0188	3.1600e-003	0.0220	0.0000	14.3384	14.3384	4.6400e-003	0.0000	14.4543

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-004	0.0118	2.6600e-003	5.0000e-005	1.3900e-003	9.0000e-005	1.4800e-003	3.8000e-004	8.0000e-005	4.7000e-004	0.0000	4.7092	4.7092	1.9000e-004	7.5000e-004	4.9365
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.0000e-004	1.4800e-003	0.0000	6.1000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4215	0.4215	1.0000e-005	1.0000e-005	0.4250
Total	3.8000e-004	0.0119	4.1400e-003	5.0000e-005	2.0000e-003	9.0000e-005	2.0900e-003	5.4000e-004	8.0000e-005	6.3000e-004	0.0000	5.1307	5.1307	2.0000e-004	7.6000e-004	5.3615

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0175	0.0000	0.0175	8.4800e-003	0.0000	8.4800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0000e-003	8.6600e-003	0.0976	1.6000e-004		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	14.3384	14.3384	4.6400e-003	0.0000	14.4543
Total	2.0000e-003	8.6600e-003	0.0976	1.6000e-004	0.0175	2.7000e-004	0.0178	8.4800e-003	2.7000e-004	8.7500e-003	0.0000	14.3384	14.3384	4.6400e-003	0.0000	14.4543

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-004	0.0118	2.6600e-003	5.0000e-005	1.3900e-003	9.0000e-005	1.4800e-003	3.8000e-004	8.0000e-005	4.7000e-004	0.0000	4.7092	4.7092	1.9000e-004	7.5000e-004	4.9365
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.0000e-004	1.4800e-003	0.0000	6.1000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4215	0.4215	1.0000e-005	1.0000e-005	0.4250
Total	3.8000e-004	0.0119	4.1400e-003	5.0000e-005	2.0000e-003	9.0000e-005	2.0900e-003	5.4000e-004	8.0000e-005	6.3000e-004	0.0000	5.1307	5.1307	2.0000e-004	7.6000e-004	5.3615

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1279	1.1659	1.5039	2.5200e-003		0.0493	0.0493		0.0464	0.0464	0.0000	216.8447	216.8447	0.0510	0.0000	218.1190
Total	0.1279	1.1659	1.5039	2.5200e-003		0.0493	0.0493		0.0464	0.0464	0.0000	216.8447	216.8447	0.0510	0.0000	218.1190

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4600e-003	0.1388	0.0413	5.4000e-004	0.0181	7.4000e-004	0.0188	5.2200e-003	7.0000e-004	5.9200e-003	0.0000	52.7417	52.7417	1.2800e-003	7.8000e-003	55.0980
Worker	0.0140	7.3300e-003	0.1123	3.5000e-004	0.0460	2.0000e-004	0.0462	0.0122	1.8000e-004	0.0124	0.0000	32.0033	32.0033	8.0000e-004	8.2000e-004	32.2676
Total	0.0175	0.1461	0.1536	8.9000e-004	0.0641	9.4000e-004	0.0650	0.0175	8.8000e-004	0.0183	0.0000	84.7450	84.7450	2.0800e-003	8.6200e-003	87.3657

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0307	0.2089	1.6325	2.5200e-003		3.8100e-003	3.8100e-003		3.8100e-003	3.8100e-003	0.0000	216.8444	216.8444	0.0510	0.0000	218.1188
Total	0.0307	0.2089	1.6325	2.5200e-003		3.8100e-003	3.8100e-003		3.8100e-003	3.8100e-003	0.0000	216.8444	216.8444	0.0510	0.0000	218.1188

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4600e-003	0.1388	0.0413	5.4000e-004	0.0181	7.4000e-004	0.0188	5.2200e-003	7.0000e-004	5.9200e-003	0.0000	52.7417	52.7417	1.2800e-003	7.8000e-003	55.0980
Worker	0.0140	7.3300e-003	0.1123	3.5000e-004	0.0460	2.0000e-004	0.0462	0.0122	1.8000e-004	0.0124	0.0000	32.0033	32.0033	8.0000e-004	8.2000e-004	32.2676
Total	0.0175	0.1461	0.1536	8.9000e-004	0.0641	9.4000e-004	0.0650	0.0175	8.8000e-004	0.0183	0.0000	84.7450	84.7450	2.0800e-003	8.6200e-003	87.3657

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0855	0.7794	1.0053	1.6900e-003		0.0330	0.0330		0.0310	0.0310	0.0000	144.9497	144.9497	0.0341	0.0000	145.8015
Total	0.0855	0.7794	1.0053	1.6900e-003		0.0330	0.0330		0.0310	0.0310	0.0000	144.9497	144.9497	0.0341	0.0000	145.8015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2500e-003	0.0913	0.0272	3.5000e-004	0.0121	4.8000e-004	0.0126	3.4900e-003	4.6000e-004	3.9500e-003	0.0000	34.5312	34.5312	8.4000e-004	5.1100e-003	36.0764
Worker	8.8600e-003	4.5100e-003	0.0714	2.3000e-004	0.0308	1.3000e-004	0.0309	8.1800e-003	1.2000e-004	8.2900e-003	0.0000	20.7968	20.7968	5.0000e-004	5.2000e-004	20.9651
Total	0.0111	0.0958	0.0987	5.8000e-004	0.0428	6.1000e-004	0.0434	0.0117	5.8000e-004	0.0122	0.0000	55.3280	55.3280	1.3400e-003	5.6300e-003	57.0415

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0205	0.1397	1.0913	1.6900e-003		2.5500e-003	2.5500e-003		2.5500e-003	2.5500e-003	0.0000	144.9495	144.9495	0.0341	0.0000	145.8013
Total	0.0205	0.1397	1.0913	1.6900e-003		2.5500e-003	2.5500e-003		2.5500e-003	2.5500e-003	0.0000	144.9495	144.9495	0.0341	0.0000	145.8013

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2500e-003	0.0913	0.0272	3.5000e-004	0.0121	4.8000e-004	0.0126	3.4900e-003	4.6000e-004	3.9500e-003	0.0000	34.5312	34.5312	8.4000e-004	5.1100e-003	36.0764
Worker	8.8600e-003	4.5100e-003	0.0714	2.3000e-004	0.0308	1.3000e-004	0.0309	8.1800e-003	1.2000e-004	8.2900e-003	0.0000	20.7968	20.7968	5.0000e-004	5.2000e-004	20.9651
Total	0.0111	0.0958	0.0987	5.8000e-004	0.0428	6.1000e-004	0.0434	0.0117	5.8000e-004	0.0122	0.0000	55.3280	55.3280	1.3400e-003	5.6300e-003	57.0415

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.8400e-003	0.0904	0.1461	2.3000e-004		4.2300e-003	4.2300e-003		3.9100e-003	3.9100e-003	0.0000	19.6539	19.6539	6.1800e-003	0.0000	19.8083
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.8400e-003	0.0904	0.1461	2.3000e-004		4.2300e-003	4.2300e-003		3.9100e-003	3.9100e-003	0.0000	19.6539	19.6539	6.1800e-003	0.0000	19.8083

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	2.6000e-004	4.0900e-003	1.0000e-005	1.7600e-003	1.0000e-005	1.7700e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.1919	1.1919	3.0000e-005	3.0000e-005	1.2016
Total	5.1000e-004	2.6000e-004	4.0900e-003	1.0000e-005	1.7600e-003	1.0000e-005	1.7700e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.1919	1.1919	3.0000e-005	3.0000e-005	1.2016

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3.6 Paving - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.6300e-003	0.0114	0.1624	2.3000e-004		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	19.6539	19.6539	6.1800e-003	0.0000	19.8083
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.6300e-003	0.0114	0.1624	2.3000e-004		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	19.6539	19.6539	6.1800e-003	0.0000	19.8083

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	2.6000e-004	4.0900e-003	1.0000e-005	1.7600e-003	1.0000e-005	1.7700e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.1919	1.1919	3.0000e-005	3.0000e-005	1.2016
Total	5.1000e-004	2.6000e-004	4.0900e-003	1.0000e-005	1.7600e-003	1.0000e-005	1.7700e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.1919	1.1919	3.0000e-005	3.0000e-005	1.2016

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3.7 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8101					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1400e-003	0.0143	0.0226	4.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	3.1916	3.1916	1.7000e-004	0.0000	3.1959
Total	0.8123	0.0143	0.0226	4.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	3.1916	3.1916	1.7000e-004	0.0000	3.1959

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	1.8000e-004	2.7700e-003	1.0000e-005	1.1900e-003	0.0000	1.2000e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.8070	0.8070	2.0000e-005	2.0000e-005	0.8136
Total	3.4000e-004	1.8000e-004	2.7700e-003	1.0000e-005	1.1900e-003	0.0000	1.2000e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.8070	0.8070	2.0000e-005	2.0000e-005	0.8136

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3.7 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8101					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7000e-004	1.6100e-003	0.0229	4.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	3.1916	3.1916	1.7000e-004	0.0000	3.1959
Total	0.8105	1.6100e-003	0.0229	4.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	3.1916	3.1916	1.7000e-004	0.0000	3.1959

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	1.8000e-004	2.7700e-003	1.0000e-005	1.1900e-003	0.0000	1.2000e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.8070	0.8070	2.0000e-005	2.0000e-005	0.8136
Total	3.4000e-004	1.8000e-004	2.7700e-003	1.0000e-005	1.1900e-003	0.0000	1.2000e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.8070	0.8070	2.0000e-005	2.0000e-005	0.8136

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Innovation Park CNU Phase 2F
Sacramento County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
University/College (4yr)	2,500.00	Student	10.55	216,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2029
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	357.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - University Bldg 2
- Land Use - University Building 2
- Construction Phase - Schedule adjusted
- Grading -
- Trips and VMT - 10 truck/day for demo, site prep, grading
- Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMP

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	21.00
tblConstructionPhase	NumDays	300.00	318.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	21.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	8/30/2029	8/31/2029
tblConstructionPhase	PhaseEndDate	7/5/2029	7/3/2029
tblConstructionPhase	PhaseEndDate	3/16/2028	3/7/2028
tblConstructionPhase	PhaseEndDate	5/11/2028	4/14/2028
tblConstructionPhase	PhaseEndDate	3/30/2028	3/16/2028
tblConstructionPhase	PhaseStartDate	5/12/2028	4/14/2028
tblConstructionPhase	PhaseStartDate	3/31/2028	3/17/2028
tblConstructionPhase	PhaseStartDate	7/6/2029	7/5/2029
tblConstructionPhase	PhaseStartDate	3/17/2028	3/8/2028
tblLandUse	LandUseSquareFeet	459,493.67	216,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	130.00
tblTripsAndVMT	HaulingTripNumber	0.00	210.00
tblTripsAndVMT	HaulingTripNumber	0.00	70.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2028	0.2026	1.8492	2.1617	4.7000e-003	0.2529	0.0715	0.3244	0.0975	0.0669	0.1644	0.0000	416.8328	416.8328	0.0820	0.0110	422.1722
2029	1.1179	1.0322	1.3674	2.7700e-003	0.0602	0.0405	0.1006	0.0163	0.0380	0.0543	0.0000	245.4208	245.4208	0.0445	6.3900e-003	248.4374
Maximum	1.1179	1.8492	2.1617	4.7000e-003	0.2529	0.0715	0.3244	0.0975	0.0669	0.1644	0.0000	416.8328	416.8328	0.0820	0.0110	422.1722

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2028	0.0659	0.4456	2.3951	4.7000e-003	0.1619	6.7200e-003	0.1686	0.0569	6.6600e-003	0.0636	0.0000	416.8325	416.8325	0.0820	0.0110	422.1718
2029	1.0412	0.2686	1.4869	2.7700e-003	0.0602	3.8300e-003	0.0640	0.0163	3.8000e-003	0.0201	0.0000	245.4206	245.4206	0.0445	6.3900e-003	248.4372
Maximum	1.0412	0.4456	2.3951	4.7000e-003	0.1619	6.7200e-003	0.1686	0.0569	6.6600e-003	0.0636	0.0000	416.8325	416.8325	0.0820	0.0110	422.1718

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	16.17	75.21	-10.00	0.00	29.06	90.58	45.27	35.64	90.03	61.73	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	2-18-2028	5-17-2028	0.7742	0.1511
2	5-18-2028	8-17-2028	0.5146	0.1442
3	8-18-2028	11-17-2028	0.5165	0.1460
4	11-18-2028	2-17-2029	0.5174	0.1469
5	2-18-2029	5-17-2029	0.4981	0.1397
6	5-18-2029	8-17-2029	0.8792	0.6009
7	8-18-2029	9-30-2029	0.4836	0.4778
		Highest	0.8792	0.6009

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9466	2.9000e-004	0.0318	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0620	0.0620	1.6000e-004	0.0000	0.0661
Energy	0.0303	0.2751	0.2311	1.6500e-003		0.0209	0.0209		0.0209	0.0209	0.0000	584.6076	584.6076	0.0320	8.6800e-003	587.9938
Mobile	1.1220	1.2211	9.3037	0.0186	2.2041	0.0138	2.2178	0.5890	0.0128	0.6018	0.0000	1,718.9606	1,718.9606	0.1304	0.0918	1,749.5860
Waste						0.0000	0.0000		0.0000	0.0000	92.6146	0.0000	92.6146	5.4734	0.0000	229.4488
Water						0.0000	0.0000		0.0000	0.0000	1.8938	9.0888	10.9826	7.3600e-003	4.2200e-003	12.4241
Total	2.0989	1.4965	9.5665	0.0202	2.2041	0.0348	2.2388	0.5890	0.0339	0.6228	94.5084	2,312.7191	2,407.2275	5.6434	0.1047	2,579.5187

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9466	2.9000e-004	0.0318	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0620	0.0620	1.6000e-004	0.0000	0.0661
Energy	0.0303	0.2751	0.2311	1.6500e-003		0.0209	0.0209		0.0209	0.0209	0.0000	584.6076	584.6076	0.0320	8.6800e-003	587.9938
Mobile	1.1220	1.2211	9.3037	0.0186	2.2041	0.0138	2.2178	0.5890	0.0128	0.6018	0.0000	1,718.9606	1,718.9606	0.1304	0.0918	1,749.5860
Waste						0.0000	0.0000		0.0000	0.0000	92.6146	0.0000	92.6146	5.4734	0.0000	229.4488
Water						0.0000	0.0000		0.0000	0.0000	1.8938	9.0888	10.9826	7.3600e-003	4.2200e-003	12.4241
Total	2.0989	1.4965	9.5665	0.0202	2.2041	0.0348	2.2388	0.5890	0.0339	0.6228	94.5084	2,312.7191	2,407.2275	5.6434	0.1047	2,579.5187

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/18/2028	3/7/2028	5	13	
2	Site Preparation	Site Preparation	3/8/2028	3/16/2028	5	7	
3	Grading	Grading	3/17/2028	4/14/2028	5	20	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Building Construction	Building Construction	4/14/2028	7/3/2029	5	318
5	Paving	Paving	7/5/2029	8/2/2029	5	21
6	Architectural Coating	Architectural Coating	8/3/2029	8/31/2029	5	21

Acres of Grading (Site Preparation Phase): 10.5

Acres of Grading (Grading Phase): 60

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 324,000; Non-Residential Outdoor: 108,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	2	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	91.00	35.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	130.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	210.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	70.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0136	0.1248	0.1262	2.5000e-004		5.5400e-003	5.5400e-003		5.1500e-003	5.1500e-003	0.0000	22.0985	22.0985	6.1700e-003	0.0000	22.2527
Total	0.0136	0.1248	0.1262	2.5000e-004		5.5400e-003	5.5400e-003		5.1500e-003	5.1500e-003	0.0000	22.0985	22.0985	6.1700e-003	0.0000	22.2527

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5000e-004	9.0900e-003	2.1000e-003	4.0000e-005	1.1000e-003	7.0000e-005	1.1700e-003	3.0000e-004	7.0000e-005	3.7000e-004	0.0000	3.6286	3.6286	1.5000e-004	5.8000e-004	3.8037
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.1000e-004	1.6600e-003	1.0000e-005	7.2000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.4842	0.4842	1.0000e-005	1.0000e-005	0.4881
Total	3.6000e-004	9.2000e-003	3.7600e-003	5.0000e-005	1.8200e-003	7.0000e-005	1.8900e-003	4.9000e-004	7.0000e-005	5.6000e-004	0.0000	4.1128	4.1128	1.6000e-004	5.9000e-004	4.2919

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.0000e-003	0.0130	0.1513	2.5000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	22.0985	22.0985	6.1700e-003	0.0000	22.2527
Total	3.0000e-003	0.0130	0.1513	2.5000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	22.0985	22.0985	6.1700e-003	0.0000	22.2527

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5000e-004	9.0900e-003	2.1000e-003	4.0000e-005	1.1000e-003	7.0000e-005	1.1700e-003	3.0000e-004	7.0000e-005	3.7000e-004	0.0000	3.6286	3.6286	1.5000e-004	5.8000e-004	3.8037
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.1000e-004	1.6600e-003	1.0000e-005	7.2000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.4842	0.4842	1.0000e-005	1.0000e-005	0.4881
Total	3.6000e-004	9.2000e-003	3.7600e-003	5.0000e-005	1.8200e-003	7.0000e-005	1.8900e-003	4.9000e-004	7.0000e-005	5.6000e-004	0.0000	4.1128	4.1128	1.6000e-004	5.9000e-004	4.2919

3.3 Site Preparation - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0688	0.0000	0.0688	0.0354	0.0000	0.0354	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.6500e-003	0.0883	0.0627	1.3000e-004		3.8000e-003	3.8000e-003		3.5000e-003	3.5000e-003	0.0000	11.7135	11.7135	3.7900e-003	0.0000	11.8082
Total	8.6500e-003	0.0883	0.0627	1.3000e-004	0.0688	3.8000e-003	0.0726	0.0354	3.5000e-003	0.0389	0.0000	11.7135	11.7135	3.7900e-003	0.0000	11.8082

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	4.9000e-003	1.1300e-003	2.0000e-005	5.9000e-004	4.0000e-005	6.3000e-004	1.6000e-004	4.0000e-005	2.0000e-004	0.0000	1.9539	1.9539	8.0000e-005	3.1000e-004	2.0482
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	7.0000e-005	1.0700e-003	0.0000	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3129	0.3129	1.0000e-005	1.0000e-005	0.3154
Total	2.1000e-004	4.9700e-003	2.2000e-003	2.0000e-005	1.0500e-003	4.0000e-005	1.0900e-003	2.8000e-004	4.0000e-005	3.2000e-004	0.0000	2.2667	2.2667	9.0000e-005	3.2000e-004	2.3636

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0310	0.0000	0.0310	0.0159	0.0000	0.0159	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6300e-003	7.0600e-003	0.0730	1.3000e-004		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.0000	11.7134	11.7134	3.7900e-003	0.0000	11.8081
Total	1.6300e-003	7.0600e-003	0.0730	1.3000e-004	0.0310	2.2000e-004	0.0312	0.0159	2.2000e-004	0.0161	0.0000	11.7134	11.7134	3.7900e-003	0.0000	11.8081

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3.3 Site Preparation - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	4.9000e-003	1.1300e-003	2.0000e-005	5.9000e-004	4.0000e-005	6.3000e-004	1.6000e-004	4.0000e-005	2.0000e-004	0.0000	1.9539	1.9539	8.0000e-005	3.1000e-004	2.0482
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	7.0000e-005	1.0700e-003	0.0000	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3129	0.3129	1.0000e-005	1.0000e-005	0.3154
Total	2.1000e-004	4.9700e-003	2.2000e-003	2.0000e-005	1.0500e-003	4.0000e-005	1.0900e-003	2.8000e-004	4.0000e-005	3.2000e-004	0.0000	2.2667	2.2667	9.0000e-005	3.2000e-004	2.3636

3.4 Grading - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0966	0.0000	0.0966	0.0384	0.0000	0.0384	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0305	0.2934	0.2765	6.5000e-004		0.0119	0.0119		0.0109	0.0109	0.0000	57.2315	57.2315	0.0185	0.0000	57.6943
Total	0.0305	0.2934	0.2765	6.5000e-004	0.0966	0.0119	0.1085	0.0384	0.0109	0.0493	0.0000	57.2315	57.2315	0.0185	0.0000	57.6943

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.6000e-004	0.0154	3.5600e-003	6.0000e-005	1.8600e-003	1.2000e-004	1.9800e-003	5.1000e-004	1.1000e-004	6.2000e-004	0.0000	6.1546	6.1546	2.5000e-004	9.8000e-004	6.4517
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	2.3000e-004	3.5800e-003	1.0000e-005	1.5400e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.0430	1.0430	2.0000e-005	3.0000e-005	1.0514
Total	7.0000e-004	0.0157	7.1400e-003	7.0000e-005	3.4000e-003	1.3000e-004	3.5300e-003	9.2000e-004	1.2000e-004	1.0400e-003	0.0000	7.1976	7.1976	2.7000e-004	1.0100e-003	7.5031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0435	0.0000	0.0435	0.0173	0.0000	0.0173	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.0000e-003	0.0347	0.3465	6.5000e-004		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	57.2315	57.2315	0.0185	0.0000	57.6942
Total	8.0000e-003	0.0347	0.3465	6.5000e-004	0.0435	1.0700e-003	0.0446	0.0173	1.0700e-003	0.0183	0.0000	57.2315	57.2315	0.0185	0.0000	57.6942

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.6000e-004	0.0154	3.5600e-003	6.0000e-005	1.8600e-003	1.2000e-004	1.9800e-003	5.1000e-004	1.1000e-004	6.2000e-004	0.0000	6.1546	6.1546	2.5000e-004	9.8000e-004	6.4517
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	2.3000e-004	3.5800e-003	1.0000e-005	1.5400e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.0430	1.0430	2.0000e-005	3.0000e-005	1.0514
Total	7.0000e-004	0.0157	7.1400e-003	7.0000e-005	3.4000e-003	1.3000e-004	3.5300e-003	9.2000e-004	1.2000e-004	1.0400e-003	0.0000	7.1976	7.1976	2.7000e-004	1.0100e-003	7.5031

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1272	1.1597	1.4959	2.5100e-003		0.0491	0.0491		0.0462	0.0462	0.0000	215.6851	215.6851	0.0507	0.0000	216.9526
Total	0.1272	1.1597	1.4959	2.5100e-003		0.0491	0.0491		0.0462	0.0462	0.0000	215.6851	215.6851	0.0507	0.0000	216.9526

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5400e-003	0.1441	0.0430	5.6000e-004	0.0191	7.6000e-004	0.0198	5.5000e-003	7.3000e-004	6.2300e-003	0.0000	54.4965	54.4965	1.3200e-003	8.0700e-003	56.9351
Worker	0.0179	9.1200e-003	0.1444	4.6000e-004	0.0622	2.5000e-004	0.0624	0.0165	2.3000e-004	0.0168	0.0000	42.0307	42.0307	1.0000e-003	1.0600e-003	42.3708
Total	0.0215	0.1532	0.1873	1.0200e-003	0.0812	1.0100e-003	0.0822	0.0220	9.6000e-004	0.0230	0.0000	96.5272	96.5272	2.3200e-003	9.1300e-003	99.3058

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0305	0.2078	1.6238	2.5100e-003		3.7900e-003	3.7900e-003		3.7900e-003	3.7900e-003	0.0000	215.6848	215.6848	0.0507	0.0000	216.9524
Total	0.0305	0.2078	1.6238	2.5100e-003		3.7900e-003	3.7900e-003		3.7900e-003	3.7900e-003	0.0000	215.6848	215.6848	0.0507	0.0000	216.9524

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5400e-003	0.1441	0.0430	5.6000e-004	0.0191	7.6000e-004	0.0198	5.5000e-003	7.3000e-004	6.2300e-003	0.0000	54.4965	54.4965	1.3200e-003	8.0700e-003	56.9351
Worker	0.0179	9.1200e-003	0.1444	4.6000e-004	0.0622	2.5000e-004	0.0624	0.0165	2.3000e-004	0.0168	0.0000	42.0307	42.0307	1.0000e-003	1.0600e-003	42.3708
Total	0.0215	0.1532	0.1873	1.0200e-003	0.0812	1.0100e-003	0.0822	0.0220	9.6000e-004	0.0230	0.0000	96.5272	96.5272	2.3200e-003	9.1300e-003	99.3058

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0903	0.8230	1.0616	1.7800e-003		0.0348	0.0348		0.0328	0.0328	0.0000	153.0668	153.0668	0.0360	0.0000	153.9664
Total	0.0903	0.8230	1.0616	1.7800e-003		0.0348	0.0348		0.0328	0.0328	0.0000	153.0668	153.0668	0.0360	0.0000	153.9664

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.4400e-003	0.1007	0.0301	3.9000e-004	0.0135	5.3000e-004	0.0140	3.9100e-003	5.1000e-004	4.4100e-003	0.0000	37.9161	37.9161	9.2000e-004	5.6200e-003	39.6152
Worker	0.0120	6.0100e-003	0.0979	3.2000e-004	0.0441	1.7000e-004	0.0443	0.0117	1.5000e-004	0.0119	0.0000	29.0601	29.0601	6.6000e-004	7.2000e-004	29.2913
Total	0.0144	0.1067	0.1281	7.1000e-004	0.0576	7.0000e-004	0.0583	0.0156	6.6000e-004	0.0163	0.0000	66.9762	66.9762	1.5800e-003	6.3400e-003	68.9064

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0216	0.1475	1.1524	1.7800e-003		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	153.0667	153.0667	0.0360	0.0000	153.9662
Total	0.0216	0.1475	1.1524	1.7800e-003		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	153.0667	153.0667	0.0360	0.0000	153.9662

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.4400e-003	0.1007	0.0301	3.9000e-004	0.0135	5.3000e-004	0.0140	3.9100e-003	5.1000e-004	4.4100e-003	0.0000	37.9161	37.9161	9.2000e-004	5.6200e-003	39.6152
Worker	0.0120	6.0100e-003	0.0979	3.2000e-004	0.0441	1.7000e-004	0.0443	0.0117	1.5000e-004	0.0119	0.0000	29.0601	29.0601	6.6000e-004	7.2000e-004	29.2913
Total	0.0144	0.1067	0.1281	7.1000e-004	0.0576	7.0000e-004	0.0583	0.0156	6.6000e-004	0.0163	0.0000	66.9762	66.9762	1.5800e-003	6.3400e-003	68.9064

3.6 Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.6100e-003	0.0901	0.1531	2.4000e-004		4.3900e-003	4.3900e-003		4.0400e-003	4.0400e-003	0.0000	21.0202	21.0202	6.8000e-003	0.0000	21.1902
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.6100e-003	0.0901	0.1531	2.4000e-004		4.3900e-003	4.3900e-003		4.0400e-003	4.0400e-003	0.0000	21.0202	21.0202	6.8000e-003	0.0000	21.1902

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3.6 Paving - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	1.6000e-004	2.5700e-003	1.0000e-005	1.1600e-003	0.0000	1.1600e-003	3.1000e-004	0.0000	3.1000e-004	0.0000	0.7621	0.7621	2.0000e-005	2.0000e-005	0.7681
Total	3.1000e-004	1.6000e-004	2.5700e-003	1.0000e-005	1.1600e-003	0.0000	1.1600e-003	3.1000e-004	0.0000	3.1000e-004	0.0000	0.7621	0.7621	2.0000e-005	2.0000e-005	0.7681

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.9400e-003	0.0128	0.1816	2.4000e-004		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	21.0202	21.0202	6.8000e-003	0.0000	21.1902
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.9400e-003	0.0128	0.1816	2.4000e-004		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	21.0202	21.0202	6.8000e-003	0.0000	21.1902

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3.6 Paving - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	1.6000e-004	2.5700e-003	1.0000e-005	1.1600e-003	0.0000	1.1600e-003	3.1000e-004	0.0000	3.1000e-004	0.0000	0.7621	0.7621	2.0000e-005	2.0000e-005	0.7681
Total	3.1000e-004	1.6000e-004	2.5700e-003	1.0000e-005	1.1600e-003	0.0000	1.1600e-003	3.1000e-004	0.0000	3.1000e-004	0.0000	0.7621	0.7621	2.0000e-005	2.0000e-005	0.7681

3.7 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0012					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7900e-003	0.0120	0.0190	3.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	2.6809	2.6809	1.5000e-004	0.0000	2.6846
Total	1.0030	0.0120	0.0190	3.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	2.6809	2.6809	1.5000e-004	0.0000	2.6846

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	1.9000e-004	3.0800e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.3900e-003	3.7000e-004	0.0000	3.7000e-004	0.0000	0.9145	0.9145	2.0000e-005	2.0000e-005	0.9218
Total	3.8000e-004	1.9000e-004	3.0800e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.3900e-003	3.7000e-004	0.0000	3.7000e-004	0.0000	0.9145	0.9145	2.0000e-005	2.0000e-005	0.9218

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0012					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1000e-004	1.3500e-003	0.0192	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.6809	2.6809	1.5000e-004	0.0000	2.6846
Total	1.0015	1.3500e-003	0.0192	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.6809	2.6809	1.5000e-004	0.0000	2.6846

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	1.9000e-004	3.0800e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.3900e-003	3.7000e-004	0.0000	3.7000e-004	0.0000	0.9145	0.9145	2.0000e-005	2.0000e-005	0.9218
Total	3.8000e-004	1.9000e-004	3.0800e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.3900e-003	3.7000e-004	0.0000	3.7000e-004	0.0000	0.9145	0.9145	2.0000e-005	2.0000e-005	0.9218

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Innovation Park CNU Phase 3A
Sacramento County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	760.00	Space	6.84	228,000.00	0
Strip Mall	29.00	1000sqft	0.67	29,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2030
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	357.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Retail/Parking building 2
 Land Use - Retail + Parking
 Construction Phase - Schedule adjusted
 Grading -
 Trips and VMT - 20 truck/ day for demo, site prep, grading
 Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMPs

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	230.00	281.00
tblConstructionPhase	NumDays	20.00	21.00
tblConstructionPhase	NumDays	20.00	24.00
tblConstructionPhase	PhaseEndDate	6/7/2030	8/30/2030
tblConstructionPhase	PhaseEndDate	4/12/2030	6/24/2030

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	PhaseEndDate	5/25/2029	5/28/2029
tblConstructionPhase	PhaseEndDate	5/10/2030	7/26/2030
tblConstructionPhase	PhaseStartDate	5/11/2030	7/29/2030
tblConstructionPhase	PhaseStartDate	5/26/2029	5/28/2029
tblConstructionPhase	PhaseStartDate	4/28/2029	4/30/2029
tblConstructionPhase	PhaseStartDate	4/13/2030	6/25/2030
tblConstructionPhase	PhaseStartDate	4/14/2029	4/16/2029
tblLandUse	LandUseSquareFeet	304,000.00	228,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	400.00
tblTripsAndVMT	HaulingTripNumber	0.00	420.00
tblTripsAndVMT	HaulingTripNumber	0.00	200.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2029	0.1777	1.6728	1.8902	4.2800e-003	0.2635	0.0632	0.3267	0.1112	0.0591	0.1702	0.0000	382.1896	382.1896	0.0697	0.0134	387.9320
2030	0.2821	0.7114	1.3661	3.1000e-003	0.0668	0.0143	0.0811	0.0181	0.0142	0.0323	0.0000	271.7876	271.7876	9.8200e-003	7.0900e-003	274.1469
Maximum	0.2821	1.6728	1.8902	4.2800e-003	0.2635	0.0632	0.3267	0.1112	0.0591	0.1702	0.0000	382.1896	382.1896	0.0697	0.0134	387.9320

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2029	0.0581	0.4421	2.0847	4.2800e-003	0.1685	6.1300e-003	0.1747	0.0636	6.0600e-003	0.0697	0.0000	382.1892	382.1892	0.0697	0.0134	387.9317
2030	0.2062	0.2752	1.4654	3.1000e-003	0.0668	3.8200e-003	0.0706	0.0181	3.7800e-003	0.0219	0.0000	271.7874	271.7874	9.8200e-003	7.0900e-003	274.1466
Maximum	0.2062	0.4421	2.0847	4.2800e-003	0.1685	6.1300e-003	0.1747	0.0636	6.0600e-003	0.0697	0.0000	382.1892	382.1892	0.0697	0.0134	387.9317

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	42.51	69.91	-9.02	0.00	28.75	87.15	39.84	36.79	86.58	54.81	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-19-2029	6-18-2029	0.6814	0.1556
2	6-19-2029	9-18-2029	0.5245	0.1541
3	9-19-2029	12-18-2029	0.5224	0.1559
4	12-19-2029	3-18-2030	0.3895	0.1535
5	3-19-2030	6-18-2030	0.3726	0.1531
6	6-19-2030	9-18-2030	0.2910	0.1868
		Highest	0.6814	0.1868

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1455	9.0000e-005	0.0100	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0196	0.0196	5.0000e-005	0.0000	0.0208
Energy	8.4000e-004	7.6300e-003	6.4100e-003	5.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	262.5440	262.5440	0.0236	2.9900e-003	264.0259
Mobile	0.3424	0.3283	2.5269	4.4900e-003	0.5359	3.3800e-003	0.5392	0.1432	3.1500e-003	0.1463	0.0000	416.0127	416.0127	0.0365	0.0249	424.3510
Waste						0.0000	0.0000		0.0000	0.0000	6.1811	0.0000	6.1811	0.3653	0.0000	15.3134
Water						0.0000	0.0000		0.0000	0.0000	0.7600	2.4862	3.2462	2.8500e-003	1.6800e-003	3.8181
Total	0.4888	0.3360	2.5433	4.5400e-003	0.5359	4.0000e-003	0.5399	0.1432	3.7700e-003	0.1470	6.9411	681.0625	688.0036	0.4283	0.0296	707.5291

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1455	9.0000e-005	0.0100	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0196	0.0196	5.0000e-005	0.0000	0.0208
Energy	8.4000e-004	7.6300e-003	6.4100e-003	5.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	262.5440	262.5440	0.0236	2.9900e-003	264.0259
Mobile	0.3424	0.3283	2.5269	4.4900e-003	0.5359	3.3800e-003	0.5392	0.1432	3.1500e-003	0.1463	0.0000	416.0127	416.0127	0.0365	0.0249	424.3510
Waste						0.0000	0.0000		0.0000	0.0000	6.1811	0.0000	6.1811	0.3653	0.0000	15.3134
Water						0.0000	0.0000		0.0000	0.0000	0.7600	2.4862	3.2462	2.8500e-003	1.6800e-003	3.8181
Total	0.4888	0.3360	2.5433	4.5400e-003	0.5359	4.0000e-003	0.5399	0.1432	3.7700e-003	0.1470	6.9411	681.0625	688.0036	0.4283	0.0296	707.5291

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/19/2029	4/13/2029	5	20	
2	Site Preparation	Site Preparation	4/16/2029	4/27/2029	5	10	
3	Grading	Grading	4/30/2029	5/28/2029	5	21	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Building Construction	Building Construction	5/28/2029	6/24/2030	5	281
5	Paving	Paving	6/25/2030	7/26/2030	5	24
6	Architectural Coating	Architectural Coating	7/29/2030	8/30/2030	5	25

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 21

Acres of Paving: 6.84

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 43,500; Non-Residential Outdoor: 14,500; Striped Parking Area: 13,680 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Welders	1	8.00	46	0.45
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	21.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	105.00	42.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	400.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	420.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	200.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0209	0.1920	0.1942	3.9000e-004		8.5300e-003	8.5300e-003		7.9200e-003	7.9200e-003	0.0000	33.9977	33.9977	9.4900e-003	0.0000	34.2350
Total	0.0209	0.1920	0.1942	3.9000e-004		8.5300e-003	8.5300e-003		7.9200e-003	7.9200e-003	0.0000	33.9977	33.9977	9.4900e-003	0.0000	34.2350

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.6000e-004	0.0274	6.4600e-003	1.1000e-004	3.3800e-003	2.1000e-004	3.5800e-003	9.3000e-004	2.0000e-004	1.1200e-003	0.0000	10.9275	10.9275	4.4000e-004	1.7300e-003	11.4551
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	1.5000e-004	2.4500e-003	1.0000e-005	1.1000e-003	0.0000	1.1100e-003	2.9000e-004	0.0000	3.0000e-004	0.0000	0.7258	0.7258	2.0000e-005	2.0000e-005	0.7316
Total	7.6000e-004	0.0275	8.9100e-003	1.2000e-004	4.4800e-003	2.1000e-004	4.6900e-003	1.2200e-003	2.0000e-004	1.4200e-003	0.0000	11.6533	11.6533	4.6000e-004	1.7500e-003	12.1867

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.6200e-003	0.0200	0.2328	3.9000e-004		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	33.9976	33.9976	9.4900e-003	0.0000	34.2349
Total	4.6200e-003	0.0200	0.2328	3.9000e-004		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	33.9976	33.9976	9.4900e-003	0.0000	34.2349

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.6000e-004	0.0274	6.4600e-003	1.1000e-004	3.3800e-003	2.1000e-004	3.5800e-003	9.3000e-004	2.0000e-004	1.1200e-003	0.0000	10.9275	10.9275	4.4000e-004	1.7300e-003	11.4551
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	1.5000e-004	2.4500e-003	1.0000e-005	1.1000e-003	0.0000	1.1100e-003	2.9000e-004	0.0000	3.0000e-004	0.0000	0.7258	0.7258	2.0000e-005	2.0000e-005	0.7316
Total	7.6000e-004	0.0275	8.9100e-003	1.2000e-004	4.4800e-003	2.1000e-004	4.6900e-003	1.2200e-003	2.0000e-004	1.4200e-003	0.0000	11.6533	11.6533	4.6000e-004	1.7500e-003	12.1867

3.3 Site Preparation - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0124	0.1262	0.0896	1.9000e-004		5.4300e-003	5.4300e-003		5.0000e-003	5.0000e-003	0.0000	16.7335	16.7335	5.4100e-003	0.0000	16.8688
Total	0.0124	0.1262	0.0896	1.9000e-004	0.0983	5.4300e-003	0.1037	0.0505	5.0000e-003	0.0555	0.0000	16.7335	16.7335	5.4100e-003	0.0000	16.8688

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.3000e-004	0.0137	3.2300e-003	6.0000e-005	1.6900e-003	1.0000e-004	1.7900e-003	4.6000e-004	1.0000e-004	5.6000e-004	0.0000	5.4638	5.4638	2.2000e-004	8.7000e-004	5.7276
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	9.0000e-005	1.4700e-003	0.0000	6.6000e-004	0.0000	6.6000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.4355	0.4355	1.0000e-005	1.0000e-005	0.4389
Total	4.1000e-004	0.0138	4.7000e-003	6.0000e-005	2.3500e-003	1.0000e-004	2.4500e-003	6.4000e-004	1.0000e-004	7.4000e-004	0.0000	5.8992	5.8992	2.3000e-004	8.8000e-004	6.1665

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0442	0.0000	0.0442	0.0227	0.0000	0.0227	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3300e-003	0.0101	0.1043	1.9000e-004		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	16.7335	16.7335	5.4100e-003	0.0000	16.8688
Total	2.3300e-003	0.0101	0.1043	1.9000e-004	0.0442	3.1000e-004	0.0445	0.0227	3.1000e-004	0.0230	0.0000	16.7335	16.7335	5.4100e-003	0.0000	16.8688

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.3000e-004	0.0137	3.2300e-003	6.0000e-005	1.6900e-003	1.0000e-004	1.7900e-003	4.6000e-004	1.0000e-004	5.6000e-004	0.0000	5.4638	5.4638	2.2000e-004	8.7000e-004	5.7276
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	9.0000e-005	1.4700e-003	0.0000	6.6000e-004	0.0000	6.6000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.4355	0.4355	1.0000e-005	1.0000e-005	0.4389
Total	4.1000e-004	0.0138	4.7000e-003	6.0000e-005	2.3500e-003	1.0000e-004	2.4500e-003	6.4000e-004	1.0000e-004	7.4000e-004	0.0000	5.8992	5.8992	2.3000e-004	8.8000e-004	6.1665

3.4 Grading - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0744	0.0000	0.0744	0.0360	0.0000	0.0360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0160	0.1608	0.1527	3.1000e-004		6.5500e-003	6.5500e-003		6.0200e-003	6.0200e-003	0.0000	27.3733	27.3733	8.8500e-003	0.0000	27.5946
Total	0.0160	0.1608	0.1527	3.1000e-004	0.0744	6.5500e-003	0.0809	0.0360	6.0200e-003	0.0420	0.0000	27.3733	27.3733	8.8500e-003	0.0000	27.5946

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3.4 Grading - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.9000e-004	0.0287	6.7900e-003	1.2000e-004	3.5500e-003	2.2000e-004	3.7600e-003	9.7000e-004	2.1000e-004	1.1800e-003	0.0000	11.4739	11.4739	4.6000e-004	1.8200e-003	12.0279
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	1.6000e-004	2.5700e-003	1.0000e-005	1.1600e-003	0.0000	1.1600e-003	3.1000e-004	0.0000	3.1000e-004	0.0000	0.7621	0.7621	2.0000e-005	2.0000e-005	0.7681
Total	8.0000e-004	0.0289	9.3600e-003	1.3000e-004	4.7100e-003	2.2000e-004	4.9200e-003	1.2800e-003	2.1000e-004	1.4900e-003	0.0000	12.2360	12.2360	4.8000e-004	1.8400e-003	12.7960

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0335	0.0000	0.0335	0.0162	0.0000	0.0162	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8100e-003	0.0165	0.1864	3.1000e-004		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	27.3733	27.3733	8.8500e-003	0.0000	27.5946
Total	3.8100e-003	0.0165	0.1864	3.1000e-004	0.0335	5.1000e-004	0.0340	0.0162	5.1000e-004	0.0167	0.0000	27.3733	27.3733	8.8500e-003	0.0000	27.5946

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.9000e-004	0.0287	6.7900e-003	1.2000e-004	3.5500e-003	2.2000e-004	3.7600e-003	9.7000e-004	2.1000e-004	1.1800e-003	0.0000	11.4739	11.4739	4.6000e-004	1.8200e-003	12.0279
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	1.6000e-004	2.5700e-003	1.0000e-005	1.1600e-003	0.0000	1.1600e-003	3.1000e-004	0.0000	3.1000e-004	0.0000	0.7621	0.7621	2.0000e-005	2.0000e-005	0.7681
Total	8.0000e-004	0.0289	9.3600e-003	1.3000e-004	4.7100e-003	2.2000e-004	4.9200e-003	1.2800e-003	2.1000e-004	1.4900e-003	0.0000	12.2360	12.2360	4.8000e-004	1.8400e-003	12.7960

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1067	0.9726	1.2546	2.1000e-003		0.0412	0.0412		0.0387	0.0387	0.0000	180.8972	180.8972	0.0425	0.0000	181.9603
Total	0.1067	0.9726	1.2546	2.1000e-003		0.0412	0.0412		0.0387	0.0387	0.0000	180.8972	180.8972	0.0425	0.0000	181.9603

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4700e-003	0.1428	0.0427	5.5000e-004	0.0192	7.5000e-004	0.0199	5.5400e-003	7.2000e-004	6.2600e-003	0.0000	53.7720	53.7720	1.3100e-003	7.9800e-003	56.1815
Worker	0.0164	8.1900e-003	0.1335	4.3000e-004	0.0602	2.3000e-004	0.0604	0.0160	2.1000e-004	0.0162	0.0000	39.6274	39.6274	9.0000e-004	9.8000e-004	39.9426
Total	0.0198	0.1510	0.1763	9.8000e-004	0.0793	9.8000e-004	0.0803	0.0215	9.3000e-004	0.0225	0.0000	93.3994	93.3994	2.2100e-003	8.9600e-003	96.1241

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0256	0.1743	1.3619	2.1000e-003		3.1800e-003	3.1800e-003		3.1800e-003	3.1800e-003	0.0000	180.8970	180.8970	0.0425	0.0000	181.9600
Total	0.0256	0.1743	1.3619	2.1000e-003		3.1800e-003	3.1800e-003		3.1800e-003	3.1800e-003	0.0000	180.8970	180.8970	0.0425	0.0000	181.9600

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4700e-003	0.1428	0.0427	5.5000e-004	0.0192	7.5000e-004	0.0199	5.5400e-003	7.2000e-004	6.2600e-003	0.0000	53.7720	53.7720	1.3100e-003	7.9800e-003	56.1815
Worker	0.0164	8.1900e-003	0.1335	4.3000e-004	0.0602	2.3000e-004	0.0604	0.0160	2.1000e-004	0.0162	0.0000	39.6274	39.6274	9.0000e-004	9.8000e-004	39.9426
Total	0.0198	0.1510	0.1763	9.8000e-004	0.0793	9.8000e-004	0.0803	0.0215	9.3000e-004	0.0225	0.0000	93.3994	93.3994	2.2100e-003	8.9600e-003	96.1241

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0818	0.4959	1.0098	1.9300e-003		9.2600e-003	9.2600e-003		9.2600e-003	9.2600e-003	0.0000	164.2881	164.2881	6.5900e-003	0.0000	164.4529
Total	0.0818	0.4959	1.0098	1.9300e-003		9.2600e-003	9.2600e-003		9.2600e-003	9.2600e-003	0.0000	164.2881	164.2881	6.5900e-003	0.0000	164.4529

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3.5 Building Construction - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7000e-003	0.1128	0.0339	4.3000e-004	0.0154	5.9000e-004	0.0160	4.4400e-003	5.6000e-004	5.0000e-003	0.0000	42.2944	42.2944	1.0300e-003	6.2800e-003	44.1922
Worker	0.0124	6.1300e-003	0.1028	3.4000e-004	0.0482	1.7000e-004	0.0484	0.0128	1.6000e-004	0.0130	0.0000	31.0036	31.0036	6.7000e-004	7.6000e-004	31.2467
Total	0.0151	0.1189	0.1367	7.7000e-004	0.0636	7.6000e-004	0.0643	0.0173	7.2000e-004	0.0180	0.0000	73.2980	73.2980	1.7000e-003	7.0400e-003	75.4389

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0205	0.1397	1.0913	1.9300e-003		2.5500e-003	2.5500e-003		2.5500e-003	2.5500e-003	0.0000	164.2879	164.2879	6.5900e-003	0.0000	164.4527
Total	0.0205	0.1397	1.0913	1.9300e-003		2.5500e-003	2.5500e-003		2.5500e-003	2.5500e-003	0.0000	164.2879	164.2879	6.5900e-003	0.0000	164.4527

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3.5 Building Construction - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7000e-003	0.1128	0.0339	4.3000e-004	0.0154	5.9000e-004	0.0160	4.4400e-003	5.6000e-004	5.0000e-003	0.0000	42.2944	42.2944	1.0300e-003	6.2800e-003	44.1922
Worker	0.0124	6.1300e-003	0.1028	3.4000e-004	0.0482	1.7000e-004	0.0484	0.0128	1.6000e-004	0.0130	0.0000	31.0036	31.0036	6.7000e-004	7.6000e-004	31.2467
Total	0.0151	0.1189	0.1367	7.7000e-004	0.0636	7.6000e-004	0.0643	0.0173	7.2000e-004	0.0180	0.0000	73.2980	73.2980	1.7000e-003	7.0400e-003	75.4389

3.6 Paving - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0166	0.0854	0.1902	3.4000e-004		3.9700e-003	3.9700e-003		3.9700e-003	3.9700e-003	0.0000	28.9194	28.9194	1.3600e-003	0.0000	28.9533
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0166	0.0854	0.1902	3.4000e-004		3.9700e-003	3.9700e-003		3.9700e-003	3.9700e-003	0.0000	28.9194	28.9194	1.3600e-003	0.0000	28.9533

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3.6 Paving - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	1.7000e-004	2.8200e-003	1.0000e-005	1.3200e-003	0.0000	1.3300e-003	3.5000e-004	0.0000	3.6000e-004	0.0000	0.8504	0.8504	2.0000e-005	2.0000e-005	0.8571
Total	3.4000e-004	1.7000e-004	2.8200e-003	1.0000e-005	1.3200e-003	0.0000	1.3300e-003	3.5000e-004	0.0000	3.6000e-004	0.0000	0.8504	0.8504	2.0000e-005	2.0000e-005	0.8571

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.3700e-003	0.0146	0.2076	3.4000e-004		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	28.9194	28.9194	1.3600e-003	0.0000	28.9533
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.3700e-003	0.0146	0.2076	3.4000e-004		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	28.9194	28.9194	1.3600e-003	0.0000	28.9533

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3.6 Paving - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	1.7000e-004	2.8200e-003	1.0000e-005	1.3200e-003	0.0000	1.3300e-003	3.5000e-004	0.0000	3.6000e-004	0.0000	0.8504	0.8504	2.0000e-005	2.0000e-005	0.8571
Total	3.4000e-004	1.7000e-004	2.8200e-003	1.0000e-005	1.3200e-003	0.0000	1.3300e-003	3.5000e-004	0.0000	3.6000e-004	0.0000	0.8504	0.8504	2.0000e-005	2.0000e-005	0.8571

3.7 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1661					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6300e-003	0.0107	0.0225	4.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	3.1916	3.1916	1.3000e-004	0.0000	3.1948
Total	0.1678	0.0107	0.0225	4.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	3.1916	3.1916	1.3000e-004	0.0000	3.1948

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	2.5000e-004	4.1100e-003	1.0000e-005	1.9300e-003	1.0000e-005	1.9300e-003	5.1000e-004	1.0000e-005	5.2000e-004	0.0000	1.2401	1.2401	3.0000e-005	3.0000e-005	1.2499
Total	4.9000e-004	2.5000e-004	4.1100e-003	1.0000e-005	1.9300e-003	1.0000e-005	1.9300e-003	5.1000e-004	1.0000e-005	5.2000e-004	0.0000	1.2401	1.2401	3.0000e-005	3.0000e-005	1.2499

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1661					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7000e-004	1.6100e-003	0.0229	4.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	3.1916	3.1916	1.3000e-004	0.0000	3.1948
Total	0.1665	1.6100e-003	0.0229	4.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	3.1916	3.1916	1.3000e-004	0.0000	3.1948

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	2.5000e-004	4.1100e-003	1.0000e-005	1.9300e-003	1.0000e-005	1.9300e-003	5.1000e-004	1.0000e-005	5.2000e-004	0.0000	1.2401	1.2401	3.0000e-005	3.0000e-005	1.2499
Total	4.9000e-004	2.5000e-004	4.1100e-003	1.0000e-005	1.9300e-003	1.0000e-005	1.9300e-003	5.1000e-004	1.0000e-005	5.2000e-004	0.0000	1.2401	1.2401	3.0000e-005	3.0000e-005	1.2499

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Innovation Park CNU Phase 3B - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Innovation Park CNU Phase 3B
Sacramento County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
University/College (4yr)	1,000.00	Student	4.22	108,000.00	0
General Heavy Industry	54.00	1000sqft	1.24	54,000.00	0
Strip Mall	27.00	1000sqft	0.62	27,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2030
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	357.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - University BLDG 2

Land Use - University BLDG 2

Construction Phase - Schedule adjusted

Grading -

Trips and VMT - 10 truck/day for demo, site prep. grading

Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMPs

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	27.00
tblConstructionPhase	NumDays	230.00	306.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	20.00	27.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	PhaseEndDate	5/10/2030	8/30/2030
tblConstructionPhase	PhaseEndDate	3/15/2030	6/17/2030
tblConstructionPhase	PhaseEndDate	3/16/2029	3/9/2029
tblConstructionPhase	PhaseEndDate	4/27/2029	4/16/2029
tblConstructionPhase	PhaseEndDate	4/12/2030	7/24/2030
tblConstructionPhase	PhaseEndDate	3/30/2029	3/23/2029
tblConstructionPhase	PhaseStartDate	4/13/2030	7/25/2030
tblConstructionPhase	PhaseStartDate	4/28/2029	4/16/2029
tblConstructionPhase	PhaseStartDate	3/31/2029	3/27/2029
tblConstructionPhase	PhaseStartDate	3/16/2030	6/18/2030
tblConstructionPhase	PhaseStartDate	3/17/2029	3/12/2029
tblLandUse	LandUseSquareFeet	183,797.47	108,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	150.00
tblTripsAndVMT	HaulingTripNumber	0.00	160.00
tblTripsAndVMT	HaulingTripNumber	0.00	100.00

2.0 Emissions Summary

Innovation Park CNU Phase 3B - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2029	0.1851	1.7059	2.0062	4.2000e-003	0.2266	0.0667	0.2933	0.0966	0.0624	0.1591	0.0000	372.1639	372.1639	0.0720	9.6900e-003	376.8518
2030	0.9864	0.6684	1.3104	2.8400e-003	0.0478	0.0142	0.0620	0.0130	0.0142	0.0271	0.0000	247.4063	247.4063	9.2300e-003	5.0300e-003	249.1371
Maximum	0.9864	1.7059	2.0062	4.2000e-003	0.2266	0.0667	0.2933	0.0966	0.0624	0.1591	0.0000	372.1639	372.1639	0.0720	9.6900e-003	376.8518

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2029	0.0575	0.4059	2.2020	4.2000e-003	0.1434	6.0100e-003	0.1494	0.0547	5.9500e-003	0.0607	0.0000	372.1636	372.1636	0.0720	9.6900e-003	376.8515
2030	0.9113	0.2368	1.4086	2.8400e-003	0.0478	3.5500e-003	0.0513	0.0130	3.5300e-003	0.0165	0.0000	247.4061	247.4061	9.2300e-003	5.0300e-003	249.1368
Maximum	0.9113	0.4059	2.2020	4.2000e-003	0.1434	6.0100e-003	0.1494	0.0547	5.9500e-003	0.0607	0.0000	372.1636	372.1636	0.0720	9.6900e-003	376.8515

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	17.31	72.93	-8.86	0.00	30.34	88.17	43.50	38.24	87.62	58.55	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	2-19-2029	5-18-2029	0.5984	0.1180
2	5-19-2029	8-18-2029	0.5062	0.1357
3	8-19-2029	11-18-2029	0.5078	0.1373
4	11-19-2029	2-18-2030	0.4282	0.1382
5	2-19-2030	5-18-2030	0.3439	0.1315
6	5-19-2030	8-18-2030	0.8171	0.6455
7	8-19-2030	9-30-2030	0.2825	0.2790
		Highest	0.8171	0.6455

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8270	1.2000e-004	0.0137	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0268	0.0268	7.0000e-005	0.0000	0.0286
Energy	0.0263	0.2388	0.2006	1.4300e-003		0.0182	0.0182		0.0182	0.0182	0.0000	581.6787	581.6787	0.0346	8.3600e-003	585.0362
Mobile	0.8465	0.8911	6.8790	0.0134	1.6266	9.7200e-003	1.6363	0.4346	9.0700e-003	0.4437	0.0000	1,242.6594	1,242.6594	0.0970	0.0680	1,265.3495
Waste						0.0000	0.0000		0.0000	0.0000	56.3929	0.0000	56.3929	3.3327	0.0000	139.7111
Water						0.0000	0.0000		0.0000	0.0000	5.8832	16.0534	21.9366	0.0217	0.0130	26.3459
Total	1.6998	1.1300	7.0933	0.0148	1.6266	0.0279	1.6545	0.4346	0.0273	0.4619	62.2761	1,840.4183	1,902.6945	3.4862	0.0893	2,016.4712

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8270	1.2000e-004	0.0137	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0268	0.0268	7.0000e-005	0.0000	0.0286
Energy	0.0263	0.2388	0.2006	1.4300e-003		0.0182	0.0182		0.0182	0.0182	0.0000	581.6787	581.6787	0.0346	8.3600e-003	585.0362
Mobile	0.8465	0.8911	6.8790	0.0134	1.6266	9.7200e-003	1.6363	0.4346	9.0700e-003	0.4437	0.0000	1,242.6594	1,242.6594	0.0970	0.0680	1,265.3495
Waste						0.0000	0.0000		0.0000	0.0000	56.3929	0.0000	56.3929	3.3327	0.0000	139.7111
Water						0.0000	0.0000		0.0000	0.0000	5.8832	16.0534	21.9366	0.0217	0.0130	26.3459
Total	1.6998	1.1300	7.0933	0.0148	1.6266	0.0279	1.6545	0.4346	0.0273	0.4619	62.2761	1,840.4183	1,902.6945	3.4862	0.0893	2,016.4712

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/19/2029	3/9/2029	5	15	
2	Site Preparation	Site Preparation	3/12/2029	3/23/2029	5	10	
3	Grading	Grading	3/27/2029	4/16/2029	5	15	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Building Construction	Building Construction	4/16/2029	6/17/2030	5	306
5	Paving	Paving	6/18/2030	7/24/2030	5	27
6	Architectural Coating	Architectural Coating	7/25/2030	8/30/2030	5	27

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 15

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 283,500; Non-Residential Outdoor: 94,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Welders	1	8.00	46	0.45
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	77.00	31.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	150.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	160.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	100.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0157	0.1440	0.1456	2.9000e-004		6.4000e-003	6.4000e-003		5.9400e-003	5.9400e-003	0.0000	25.4982	25.4982	7.1200e-003	0.0000	25.6762
Total	0.0157	0.1440	0.1456	2.9000e-004		6.4000e-003	6.4000e-003		5.9400e-003	5.9400e-003	0.0000	25.4982	25.4982	7.1200e-003	0.0000	25.6762

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.7000e-004	0.0103	2.4200e-003	4.0000e-005	1.2700e-003	8.0000e-005	1.3400e-003	3.5000e-004	7.0000e-005	4.2000e-004	0.0000	4.0978	4.0978	1.7000e-004	6.5000e-004	4.2957
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.1000e-004	1.8300e-003	1.0000e-005	8.3000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.5443	0.5443	1.0000e-005	1.0000e-005	0.5487
Total	3.9000e-004	0.0104	4.2500e-003	5.0000e-005	2.1000e-003	8.0000e-005	2.1700e-003	5.7000e-004	7.0000e-005	6.4000e-004	0.0000	4.6422	4.6422	1.8000e-004	6.6000e-004	4.8443

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.4700e-003	0.0150	0.1746	2.9000e-004		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	25.4982	25.4982	7.1200e-003	0.0000	25.6762
Total	3.4700e-003	0.0150	0.1746	2.9000e-004		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	25.4982	25.4982	7.1200e-003	0.0000	25.6762

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.7000e-004	0.0103	2.4200e-003	4.0000e-005	1.2700e-003	8.0000e-005	1.3400e-003	3.5000e-004	7.0000e-005	4.2000e-004	0.0000	4.0978	4.0978	1.7000e-004	6.5000e-004	4.2957
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.1000e-004	1.8300e-003	1.0000e-005	8.3000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.5443	0.5443	1.0000e-005	1.0000e-005	0.5487
Total	3.9000e-004	0.0104	4.2500e-003	5.0000e-005	2.1000e-003	8.0000e-005	2.1700e-003	5.7000e-004	7.0000e-005	6.4000e-004	0.0000	4.6422	4.6422	1.8000e-004	6.6000e-004	4.8443

3.3 Site Preparation - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0124	0.1262	0.0896	1.9000e-004		5.4300e-003	5.4300e-003		5.0000e-003	5.0000e-003	0.0000	16.7335	16.7335	5.4100e-003	0.0000	16.8688
Total	0.0124	0.1262	0.0896	1.9000e-004	0.0983	5.4300e-003	0.1037	0.0505	5.0000e-003	0.0555	0.0000	16.7335	16.7335	5.4100e-003	0.0000	16.8688

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2000e-004	6.8400e-003	1.6200e-003	3.0000e-005	8.4000e-004	5.0000e-005	9.0000e-004	2.3000e-004	5.0000e-005	2.8000e-004	0.0000	2.7319	2.7319	1.1000e-004	4.3000e-004	2.8638
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	9.0000e-005	1.4700e-003	0.0000	6.6000e-004	0.0000	6.6000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.4355	0.4355	1.0000e-005	1.0000e-005	0.4389
Total	3.0000e-004	6.9300e-003	3.0900e-003	3.0000e-005	1.5000e-003	5.0000e-005	1.5600e-003	4.1000e-004	5.0000e-005	4.6000e-004	0.0000	3.1674	3.1674	1.2000e-004	4.4000e-004	3.3027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0442	0.0000	0.0442	0.0227	0.0000	0.0227	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3300e-003	0.0101	0.1043	1.9000e-004		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	16.7335	16.7335	5.4100e-003	0.0000	16.8688
Total	2.3300e-003	0.0101	0.1043	1.9000e-004	0.0442	3.1000e-004	0.0445	0.0227	3.1000e-004	0.0230	0.0000	16.7335	16.7335	5.4100e-003	0.0000	16.8688

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2000e-004	6.8400e-003	1.6200e-003	3.0000e-005	8.4000e-004	5.0000e-005	9.0000e-004	2.3000e-004	5.0000e-005	2.8000e-004	0.0000	2.7319	2.7319	1.1000e-004	4.3000e-004	2.8638
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	9.0000e-005	1.4700e-003	0.0000	6.6000e-004	0.0000	6.6000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.4355	0.4355	1.0000e-005	1.0000e-005	0.4389
Total	3.0000e-004	6.9300e-003	3.0900e-003	3.0000e-005	1.5000e-003	5.0000e-005	1.5600e-003	4.1000e-004	5.0000e-005	4.6000e-004	0.0000	3.1674	3.1674	1.2000e-004	4.4000e-004	3.3027

3.4 Grading - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0531	0.0000	0.0531	0.0257	0.0000	0.0257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.1149	0.1091	2.2000e-004		4.6800e-003	4.6800e-003		4.3000e-003	4.3000e-003	0.0000	19.5524	19.5524	6.3200e-003	0.0000	19.7105
Total	0.0114	0.1149	0.1091	2.2000e-004	0.0531	4.6800e-003	0.0578	0.0257	4.3000e-003	0.0300	0.0000	19.5524	19.5524	6.3200e-003	0.0000	19.7105

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3.4 Grading - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.9000e-004	0.0110	2.5900e-003	4.0000e-005	1.3500e-003	8.0000e-005	1.4300e-003	3.7000e-004	8.0000e-005	4.5000e-004	0.0000	4.3710	4.3710	1.8000e-004	6.9000e-004	4.5821
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.1000e-004	1.8300e-003	1.0000e-005	8.3000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.5443	0.5443	1.0000e-005	1.0000e-005	0.5487
Total	4.1000e-004	0.0111	4.4200e-003	5.0000e-005	2.1800e-003	8.0000e-005	2.2600e-003	5.9000e-004	8.0000e-005	6.7000e-004	0.0000	4.9154	4.9154	1.9000e-004	7.0000e-004	5.1307

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0239	0.0000	0.0239	0.0116	0.0000	0.0116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7200e-003	0.0118	0.1332	2.2000e-004		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	19.5523	19.5523	6.3200e-003	0.0000	19.7104
Total	2.7200e-003	0.0118	0.1332	2.2000e-004	0.0239	3.6000e-004	0.0243	0.0116	3.6000e-004	0.0119	0.0000	19.5523	19.5523	6.3200e-003	0.0000	19.7104

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3.4 Grading - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.9000e-004	0.0110	2.5900e-003	4.0000e-005	1.3500e-003	8.0000e-005	1.4300e-003	3.7000e-004	8.0000e-005	4.5000e-004	0.0000	4.3710	4.3710	1.8000e-004	6.9000e-004	4.5821
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.1000e-004	1.8300e-003	1.0000e-005	8.3000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.5443	0.5443	1.0000e-005	1.0000e-005	0.5487
Total	4.1000e-004	0.0111	4.4200e-003	5.0000e-005	2.1800e-003	8.0000e-005	2.2600e-003	5.9000e-004	8.0000e-005	6.7000e-004	0.0000	4.9154	4.9154	1.9000e-004	7.0000e-004	5.1307

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1272	1.1597	1.4959	2.5100e-003		0.0491	0.0491		0.0462	0.0462	0.0000	215.6851	215.6851	0.0507	0.0000	216.9526
Total	0.1272	1.1597	1.4959	2.5100e-003		0.0491	0.0491		0.0462	0.0462	0.0000	215.6851	215.6851	0.0507	0.0000	216.9526

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0500e-003	0.1257	0.0376	4.9000e-004	0.0169	6.6000e-004	0.0175	4.8700e-003	6.3000e-004	5.5100e-003	0.0000	47.3213	47.3213	1.1500e-003	7.0200e-003	49.4418
Worker	0.0143	7.1600e-003	0.1168	3.8000e-004	0.0526	2.0000e-004	0.0528	0.0140	1.8000e-004	0.0142	0.0000	34.6486	34.6486	7.8000e-004	8.6000e-004	34.9242
Total	0.0174	0.1328	0.1544	8.7000e-004	0.0695	8.6000e-004	0.0703	0.0189	8.1000e-004	0.0197	0.0000	81.9699	81.9699	1.9300e-003	7.8800e-003	84.3660

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0305	0.2078	1.6238	2.5100e-003		3.7900e-003	3.7900e-003		3.7900e-003	3.7900e-003	0.0000	215.6848	215.6848	0.0507	0.0000	216.9524
Total	0.0305	0.2078	1.6238	2.5100e-003		3.7900e-003	3.7900e-003		3.7900e-003	3.7900e-003	0.0000	215.6848	215.6848	0.0507	0.0000	216.9524

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0500e-003	0.1257	0.0376	4.9000e-004	0.0169	6.6000e-004	0.0175	4.8700e-003	6.3000e-004	5.5100e-003	0.0000	47.3213	47.3213	1.1500e-003	7.0200e-003	49.4418
Worker	0.0143	7.1600e-003	0.1168	3.8000e-004	0.0526	2.0000e-004	0.0528	0.0140	1.8000e-004	0.0142	0.0000	34.6486	34.6486	7.8000e-004	8.6000e-004	34.9242
Total	0.0174	0.1328	0.1544	8.7000e-004	0.0695	8.6000e-004	0.0703	0.0189	8.1000e-004	0.0197	0.0000	81.9699	81.9699	1.9300e-003	7.8800e-003	84.3660

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0786	0.4761	0.9694	1.8600e-003		8.8900e-003	8.8900e-003		8.8900e-003	8.8900e-003	0.0000	157.7166	157.7166	6.3300e-003	0.0000	157.8748
Total	0.0786	0.4761	0.9694	1.8600e-003		8.8900e-003	8.8900e-003		8.8900e-003	8.8900e-003	0.0000	157.7166	157.7166	6.3300e-003	0.0000	157.8748

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3.5 Building Construction - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9200e-003	0.0799	0.0240	3.1000e-004	0.0109	4.2000e-004	0.0113	3.1400e-003	4.0000e-004	3.5400e-003	0.0000	29.9686	29.9686	7.3000e-004	4.4500e-003	31.3133
Worker	8.7000e-003	4.3200e-003	0.0724	2.4000e-004	0.0339	1.2000e-004	0.0341	9.0200e-003	1.1000e-004	9.1400e-003	0.0000	21.8265	21.8265	4.7000e-004	5.4000e-004	21.9977
Total	0.0106	0.0842	0.0964	5.5000e-004	0.0448	5.4000e-004	0.0454	0.0122	5.1000e-004	0.0127	0.0000	51.7951	51.7951	1.2000e-003	4.9900e-003	53.3110

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0197	0.1341	1.0476	1.8600e-003		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	157.7164	157.7164	6.3300e-003	0.0000	157.8746
Total	0.0197	0.1341	1.0476	1.8600e-003		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	157.7164	157.7164	6.3300e-003	0.0000	157.8746

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9200e-003	0.0799	0.0240	3.1000e-004	0.0109	4.2000e-004	0.0113	3.1400e-003	4.0000e-004	3.5400e-003	0.0000	29.9686	29.9686	7.3000e-004	4.4500e-003	31.3133
Worker	8.7000e-003	4.3200e-003	0.0724	2.4000e-004	0.0339	1.2000e-004	0.0341	9.0200e-003	1.1000e-004	9.1400e-003	0.0000	21.8265	21.8265	4.7000e-004	5.4000e-004	21.9977
Total	0.0106	0.0842	0.0964	5.5000e-004	0.0448	5.4000e-004	0.0454	0.0122	5.1000e-004	0.0127	0.0000	51.7951	51.7951	1.2000e-003	4.9900e-003	53.3110

3.6 Paving - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0187	0.0961	0.2140	3.8000e-004		4.4600e-003	4.4600e-003		4.4600e-003	4.4600e-003	0.0000	32.5343	32.5343	1.5300e-003	0.0000	32.5725
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0187	0.0961	0.2140	3.8000e-004		4.4600e-003	4.4600e-003		4.4600e-003	4.4600e-003	0.0000	32.5343	32.5343	1.5300e-003	0.0000	32.5725

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3.6 Paving - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	1.9000e-004	3.1700e-003	1.0000e-005	1.4900e-003	1.0000e-005	1.4900e-003	4.0000e-004	0.0000	4.0000e-004	0.0000	0.9567	0.9567	2.0000e-005	2.0000e-005	0.9642
Total	3.8000e-004	1.9000e-004	3.1700e-003	1.0000e-005	1.4900e-003	1.0000e-005	1.4900e-003	4.0000e-004	0.0000	4.0000e-004	0.0000	0.9567	0.9567	2.0000e-005	2.0000e-005	0.9642

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.7900e-003	0.0164	0.2335	3.8000e-004		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	32.5343	32.5343	1.5300e-003	0.0000	32.5724
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.7900e-003	0.0164	0.2335	3.8000e-004		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	32.5343	32.5343	1.5300e-003	0.0000	32.5724

Innovation Park CNU Phase 3B - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	1.9000e-004	3.1700e-003	1.0000e-005	1.4900e-003	1.0000e-005	1.4900e-003	4.0000e-004	0.0000	4.0000e-004	0.0000	0.9567	0.9567	2.0000e-005	2.0000e-005	0.9642
Total	3.8000e-004	1.9000e-004	3.1700e-003	1.0000e-005	1.4900e-003	1.0000e-005	1.4900e-003	4.0000e-004	0.0000	4.0000e-004	0.0000	0.9567	0.9567	2.0000e-005	2.0000e-005	0.9642

3.7 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8760					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7700e-003	0.0116	0.0243	4.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	3.4469	3.4469	1.4000e-004	0.0000	3.4504
Total	0.8778	0.0116	0.0243	4.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	3.4469	3.4469	1.4000e-004	0.0000	3.4504

Innovation Park CNU Phase 3B - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	1.9000e-004	3.1700e-003	1.0000e-005	1.4900e-003	1.0000e-005	1.4900e-003	4.0000e-004	0.0000	4.0000e-004	0.0000	0.9567	0.9567	2.0000e-005	2.0000e-005	0.9642
Total	3.8000e-004	1.9000e-004	3.1700e-003	1.0000e-005	1.4900e-003	1.0000e-005	1.4900e-003	4.0000e-004	0.0000	4.0000e-004	0.0000	0.9567	0.9567	2.0000e-005	2.0000e-005	0.9642

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8760					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0000e-004	1.7400e-003	0.0247	4.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	3.4469	3.4469	1.4000e-004	0.0000	3.4504
Total	0.8764	1.7400e-003	0.0247	4.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	3.4469	3.4469	1.4000e-004	0.0000	3.4504

Innovation Park CNU Phase 3B - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	1.9000e-004	3.1700e-003	1.0000e-005	1.4900e-003	1.0000e-005	1.4900e-003	4.0000e-004	0.0000	4.0000e-004	0.0000	0.9567	0.9567	2.0000e-005	2.0000e-005	0.9642
Total	3.8000e-004	1.9000e-004	3.1700e-003	1.0000e-005	1.4900e-003	1.0000e-005	1.4900e-003	4.0000e-004	0.0000	4.0000e-004	0.0000	0.9567	0.9567	2.0000e-005	2.0000e-005	0.9642

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Innovation Park CNU Phase 3C - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Innovation Park CNU Phase 3C
Sacramento County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	48.00	1000sqft	1.10	48,000.00	0
Enclosed Parking Structure	127.00	Space	1.14	48,000.00	0
Apartments Mid Rise	250.00	Dwelling Unit	6.58	114,000.00	668

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2031
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	357.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Dorm/Facility BLDG 2 Construction ONLY
 Land Use - Residential buildings 2
 Construction Phase - Adjusted Scheduled
 Grading -
 Trips and VMT - 15 trucks/year for demo, site prep, and grading
 Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMPs

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

Innovation Park CNU Phase 3C - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	26.00
tblConstructionPhase	NumDays	230.00	307.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	20.00	16.00
tblConstructionPhase	NumDays	20.00	27.00
tblConstructionPhase	PhaseEndDate	5/9/2031	8/28/2031
tblConstructionPhase	PhaseEndDate	3/14/2031	6/17/2031
tblConstructionPhase	PhaseEndDate	3/15/2030	3/8/2030
tblConstructionPhase	PhaseEndDate	4/26/2030	4/15/2030
tblConstructionPhase	PhaseEndDate	4/11/2031	7/24/2031
tblConstructionPhase	PhaseEndDate	3/29/2030	3/22/2030
tblConstructionPhase	PhaseStartDate	4/12/2031	7/25/2031
tblConstructionPhase	PhaseStartDate	4/27/2030	4/15/2030
tblConstructionPhase	PhaseStartDate	3/30/2030	3/25/2030
tblConstructionPhase	PhaseStartDate	3/15/2031	6/18/2031
tblConstructionPhase	PhaseStartDate	3/16/2030	3/11/2030
tblLandUse	LandUseSquareFeet	50,800.00	48,000.00
tblLandUse	LandUseSquareFeet	250,000.00	114,000.00

Innovation Park CNU Phase 3C - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	HaulingTripNumber	0.00	225.00
tblTripsAndVMT	HaulingTripNumber	0.00	240.00
tblTripsAndVMT	HaulingTripNumber	0.00	150.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	0.2065	1.1747	2.2318	5.6400e-003	0.3338	0.0223	0.3561	0.1261	0.0222	0.1482	0.0000	497.2103	497.2103	0.0175	0.0144	501.9337
2031	1.0320	0.7019	1.4452	3.3700e-003	0.1154	0.0145	0.1299	0.0310	0.0144	0.0455	0.0000	296.6989	296.6989	0.0103	7.4800e-003	299.1831
Maximum	1.0320	1.1747	2.2318	5.6400e-003	0.3338	0.0223	0.3561	0.1261	0.0222	0.1482	0.0000	497.2103	497.2103	0.0175	0.0144	501.9337

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	0.2065	1.1747	2.2318	5.6400e-003	0.2486	0.0223	0.2709	0.0832	0.0222	0.1054	0.0000	497.2099	497.2099	0.0175	0.0144	501.9333
2031	1.0320	0.7019	1.4452	3.3700e-003	0.1154	0.0145	0.1299	0.0310	0.0144	0.0455	0.0000	296.6987	296.6987	0.0103	7.4800e-003	299.1829

Innovation Park CNU Phase 3C - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Maximum	1.0320	1.1747	2.2318	5.6400e-003	0.2486	0.0223	0.2709	0.0832	0.0222	0.1054	0.0000	497.2099	497.2099	0.0175	0.0144	501.9333
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	18.97	0.00	17.54	27.28	0.00	22.12	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	2-18-2030	5-17-2030	0.4001	0.4001
2	5-18-2030	8-17-2030	0.3832	0.3832
3	8-18-2030	11-17-2030	0.3853	0.3853
4	11-18-2030	2-17-2031	0.3861	0.3861
5	2-18-2031	5-17-2031	0.3706	0.3706
6	5-18-2031	8-17-2031	0.8723	0.8723
7	8-18-2031	9-30-2031	0.2892	0.2892
		Highest	0.8723	0.8723

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8072	0.0297	2.5736	1.4000e-004		0.0143	0.0143		0.0143	0.0143	0.0000	4.2157	4.2157	4.0200e-003	0.0000	4.3163
Energy	0.0161	0.1390	0.0718	8.8000e-004		0.0111	0.0111		0.0111	0.0111	0.0000	466.1888	466.1888	0.0314	6.3500e-003	468.8645
Mobile	0.5980	0.7046	5.5363	0.0119	1.4989	8.0500e-003	1.5069	0.4005	7.5100e-003	0.4080	0.0000	1,102.9954	1,102.9954	0.0759	0.0550	1,121.2905

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Waste						0.0000	0.0000		0.0000	0.0000	32.4055	0.0000	32.4055	1.9151	0.0000	80.2832
Water						0.0000	0.0000		0.0000	0.0000	8.7813	28.8883	37.6695	0.0329	0.0194	44.2786
Total	1.4212	0.8733	8.1817	0.0129	1.4989	0.0335	1.5323	0.4005	0.0329	0.4334	41.1867	1,602.2883	1,643.4750	2.0593	0.0808	1,719.0331

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8072	0.0297	2.5736	1.4000e-004		0.0143	0.0143		0.0143	0.0143	0.0000	4.2157	4.2157	4.0200e-003	0.0000	4.3163
Energy	0.0161	0.1390	0.0718	8.8000e-004		0.0111	0.0111		0.0111	0.0111	0.0000	466.1888	466.1888	0.0314	6.3500e-003	468.8645
Mobile	0.5980	0.7046	5.5363	0.0119	1.4989	8.0500e-003	1.5069	0.4005	7.5100e-003	0.4080	0.0000	1,102.9954	1,102.9954	0.0759	0.0550	1,121.2905
Waste						0.0000	0.0000		0.0000	0.0000	32.4055	0.0000	32.4055	1.9151	0.0000	80.2832
Water						0.0000	0.0000		0.0000	0.0000	8.7813	28.8883	37.6695	0.0329	0.0194	44.2786
Total	1.4212	0.8733	8.1817	0.0129	1.4989	0.0335	1.5323	0.4005	0.0329	0.4334	41.1867	1,602.2883	1,643.4750	2.0593	0.0808	1,719.0331

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Innovation Park CNU Phase 3C - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/18/2030	3/8/2030	5	15	
2	Site Preparation	Site Preparation	3/11/2030	3/22/2030	5	10	
3	Grading	Grading	3/25/2030	4/15/2030	5	16	
4	Building Construction	Building Construction	4/15/2030	6/17/2031	5	307	
5	Paving	Paving	6/18/2031	7/24/2031	5	27	
6	Architectural Coating	Architectural Coating	7/25/2031	8/28/2031	5	26	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 16

Acres of Paving: 1.14

Residential Indoor: 230,850; Residential Outdoor: 76,950; Non-Residential Indoor: 72,000; Non-Residential Outdoor: 24,000; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	216.00	42.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	225.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	240.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	150.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2030

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					

Innovation Park CNU Phase 3C - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-Road	0.0156	0.0733	0.1419	3.5000e-004		2.6300e-003	2.6300e-003		2.6300e-003	2.6300e-003	0.0000	29.7914	29.7914	1.2600e-003	0.0000	29.8228
Total	0.0156	0.0733	0.1419	3.5000e-004		2.6300e-003	2.6300e-003		2.6300e-003	2.6300e-003	0.0000	29.7914	29.7914	1.2600e-003	0.0000	29.8228

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.5000e-004	0.0151	3.6400e-003	6.0000e-005	1.9000e-003	1.1000e-004	2.0100e-003	5.2000e-004	1.1000e-004	6.3000e-004	0.0000	6.0252	6.0252	2.4000e-004	9.6000e-004	6.3161
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.1000e-004	1.7600e-003	1.0000e-005	8.3000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.5315	0.5315	1.0000e-005	1.0000e-005	0.5357
Total	4.6000e-004	0.0152	5.4000e-003	7.0000e-005	2.7300e-003	1.1000e-004	2.8400e-003	7.4000e-004	1.1000e-004	8.5000e-004	0.0000	6.5567	6.5567	2.5000e-004	9.7000e-004	6.8518

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0156	0.0733	0.1419	3.5000e-004		2.6300e-003	2.6300e-003		2.6300e-003	2.6300e-003	0.0000	29.7913	29.7913	1.2600e-003	0.0000	29.8228

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Total	0.0156	0.0733	0.1419	3.5000e-004		2.6300e-003	2.6300e-003		2.6300e-003	2.6300e-003	0.0000	29.7913	29.7913	1.2600e-003	0.0000	29.8228
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.5000e-004	0.0151	3.6400e-003	6.0000e-005	1.9000e-003	1.1000e-004	2.0100e-003	5.2000e-004	1.1000e-004	6.3000e-004	0.0000	6.0252	6.0252	2.4000e-004	9.6000e-004	6.3161
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.1000e-004	1.7600e-003	1.0000e-005	8.3000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.5315	0.5315	1.0000e-005	1.0000e-005	0.5357
Total	4.6000e-004	0.0152	5.4000e-003	7.0000e-005	2.7300e-003	1.1000e-004	2.8400e-003	7.4000e-004	1.1000e-004	8.5000e-004	0.0000	6.5567	6.5567	2.5000e-004	9.7000e-004	6.8518

3.3 Site Preparation - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0122	0.0683	0.0815	2.3000e-004		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	20.0023	20.0023	9.9000e-004	0.0000	20.0270

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Total	0.0122	0.0683	0.0815	2.3000e-004	0.0983	2.1800e-003	0.1005	0.0505	2.1800e-003	0.0527	0.0000	20.0023	20.0023	9.9000e-004	0.0000	20.0270
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.7000e-004	0.0101	2.4300e-003	4.0000e-005	1.2700e-003	8.0000e-005	1.3400e-003	3.5000e-004	7.0000e-005	4.2000e-004	0.0000	4.0168	4.0168	1.6000e-004	6.4000e-004	4.2108
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	8.0000e-005	1.4100e-003	0.0000	6.6000e-004	0.0000	6.6000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.4252	0.4252	1.0000e-005	1.0000e-005	0.4285
Total	3.4000e-004	0.0101	3.8400e-003	4.0000e-005	1.9300e-003	8.0000e-005	2.0000e-003	5.3000e-004	7.0000e-005	6.0000e-004	0.0000	4.4420	4.4420	1.7000e-004	6.5000e-004	4.6393

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0442	0.0000	0.0442	0.0227	0.0000	0.0227	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0122	0.0683	0.0815	2.3000e-004		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	20.0023	20.0023	9.9000e-004	0.0000	20.0270

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Total	0.0122	0.0683	0.0815	2.3000e-004	0.0442	2.1800e-003	0.0464	0.0227	2.1800e-003	0.0249	0.0000	20.0023	20.0023	9.9000e-004	0.0000	20.0270
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.7000e-004	0.0101	2.4300e-003	4.0000e-005	1.2700e-003	8.0000e-005	1.3400e-003	3.5000e-004	7.0000e-005	4.2000e-004	0.0000	4.0168	4.0168	1.6000e-004	6.4000e-004	4.2108
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	8.0000e-005	1.4100e-003	0.0000	6.6000e-004	0.0000	6.6000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.4252	0.4252	1.0000e-005	1.0000e-005	0.4285
Total	3.4000e-004	0.0101	3.8400e-003	4.0000e-005	1.9300e-003	8.0000e-005	2.0000e-003	5.3000e-004	7.0000e-005	6.0000e-004	0.0000	4.4420	4.4420	1.7000e-004	6.5000e-004	4.6393

3.4 Grading - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0567	0.0000	0.0567	0.0274	0.0000	0.0274	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0129	0.0620	0.1156	2.9000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003	0.0000	24.9637	24.9637	1.0400e-003	0.0000	24.9898

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Total	0.0129	0.0620	0.1156	2.9000e-004	0.0567	1.8700e-003	0.0585	0.0274	1.8700e-003	0.0293	0.0000	24.9637	24.9637	1.0400e-003	0.0000	24.9898
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.7000e-004	0.0161	3.8800e-003	6.0000e-005	2.0300e-003	1.2000e-004	2.1500e-003	5.6000e-004	1.2000e-004	6.7000e-004	0.0000	6.4269	6.4269	2.6000e-004	1.0200e-003	6.7372
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.1000e-004	1.8800e-003	1.0000e-005	8.8000e-004	0.0000	8.8000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.5669	0.5669	1.0000e-005	1.0000e-005	0.5714
Total	5.0000e-004	0.0162	5.7600e-003	7.0000e-005	2.9100e-003	1.2000e-004	3.0300e-003	7.9000e-004	1.2000e-004	9.1000e-004	0.0000	6.9938	6.9938	2.7000e-004	1.0300e-003	7.3086

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0255	0.0000	0.0255	0.0123	0.0000	0.0123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0129	0.0620	0.1156	2.9000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003	0.0000	24.9637	24.9637	1.0400e-003	0.0000	24.9897

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Total	0.0129	0.0620	0.1156	2.9000e-004	0.0255	1.8700e-003	0.0274	0.0123	1.8700e-003	0.0142	0.0000	24.9637	24.9637	1.0400e-003	0.0000	24.9897
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.7000e-004	0.0161	3.8800e-003	6.0000e-005	2.0300e-003	1.2000e-004	2.1500e-003	5.6000e-004	1.2000e-004	6.7000e-004	0.0000	6.4269	6.4269	2.6000e-004	1.0200e-003	6.7372
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.1000e-004	1.8800e-003	1.0000e-005	8.8000e-004	0.0000	8.8000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.5669	0.5669	1.0000e-005	1.0000e-005	0.5714
Total	5.0000e-004	0.0162	5.7600e-003	7.0000e-005	2.9100e-003	1.2000e-004	3.0300e-003	7.9000e-004	1.2000e-004	9.1000e-004	0.0000	6.9938	6.9938	2.7000e-004	1.0300e-003	7.3086

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1224	0.7419	1.5107	2.8900e-003		0.0139	0.0139		0.0139	0.0139	0.0000	245.7751	245.7751	9.8600e-003	0.0000	246.0216
Total	0.1224	0.7419	1.5107	2.8900e-003		0.0139	0.0139		0.0139	0.0139	0.0000	245.7751	245.7751	9.8600e-003	0.0000	246.0216

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0500e-003	0.1687	0.0507	6.5000e-004	0.0230	8.8000e-004	0.0239	6.6400e-003	8.4000e-004	7.4800e-003	0.0000	63.2725	63.2725	1.5400e-003	9.4000e-003	66.1115
Worker	0.0380	0.0189	0.3165	1.0400e-003	0.1483	5.3000e-004	0.1489	0.0395	4.9000e-004	0.0399	0.0000	95.4130	95.4130	2.0500e-003	2.3400e-003	96.1614
Total	0.0421	0.1876	0.3672	1.6900e-003	0.1713	1.4100e-003	0.1727	0.0461	1.3300e-003	0.0474	0.0000	158.6854	158.6854	3.5900e-003	0.0117	162.2729

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1224	0.7419	1.5107	2.8900e-003		0.0139	0.0139		0.0139	0.0139	0.0000	245.7748	245.7748	9.8600e-003	0.0000	246.0213
Total	0.1224	0.7419	1.5107	2.8900e-003		0.0139	0.0139		0.0139	0.0139	0.0000	245.7748	245.7748	9.8600e-003	0.0000	246.0213

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0500e-003	0.1687	0.0507	6.5000e-004	0.0230	8.8000e-004	0.0239	6.6400e-003	8.4000e-004	7.4800e-003	0.0000	63.2725	63.2725	1.5400e-003	9.4000e-003	66.1115
Worker	0.0380	0.0189	0.3165	1.0400e-003	0.1483	5.3000e-004	0.1489	0.0395	4.9000e-004	0.0399	0.0000	95.4130	95.4130	2.0500e-003	2.3400e-003	96.1614
Total	0.0421	0.1876	0.3672	1.6900e-003	0.1713	1.4100e-003	0.1727	0.0461	1.3300e-003	0.0474	0.0000	158.6854	158.6854	3.5900e-003	0.0117	162.2729

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0786	0.4761	0.9694	1.8600e-003		8.8900e-003	8.8900e-003		8.8900e-003	8.8900e-003	0.0000	157.7166	157.7166	6.3300e-003	0.0000	157.8748
Total	0.0786	0.4761	0.9694	1.8600e-003		8.8900e-003	8.8900e-003		8.8900e-003	8.8900e-003	0.0000	157.7166	157.7166	6.3300e-003	0.0000	157.8748

Unmitigated Construction Off-Site

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.5400e-003	0.1069	0.0323	4.1000e-004	0.0147	5.5000e-004	0.0153	4.2600e-003	5.3000e-004	4.7900e-003	0.0000	39.9232	39.9232	9.7000e-004	5.9400e-003	41.7168
Worker	0.0230	0.0114	0.1959	6.5000e-004	0.0952	3.2000e-004	0.0955	0.0253	2.9000e-004	0.0256	0.0000	59.9123	59.9123	1.2300e-003	1.4600e-003	60.3768
Total	0.0255	0.1183	0.2282	1.0600e-003	0.1099	8.7000e-004	0.1108	0.0296	8.2000e-004	0.0304	0.0000	99.8355	99.8355	2.2000e-003	7.4000e-003	102.0936

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0786	0.4761	0.9694	1.8600e-003		8.8900e-003	8.8900e-003		8.8900e-003	8.8900e-003	0.0000	157.7164	157.7164	6.3300e-003	0.0000	157.8746
Total	0.0786	0.4761	0.9694	1.8600e-003		8.8900e-003	8.8900e-003		8.8900e-003	8.8900e-003	0.0000	157.7164	157.7164	6.3300e-003	0.0000	157.8746

Mitigated Construction Off-Site

Innovation Park CNU Phase 3C - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.5400e-003	0.1069	0.0323	4.1000e-004	0.0147	5.5000e-004	0.0153	4.2600e-003	5.3000e-004	4.7900e-003	0.0000	39.9232	39.9232	9.7000e-004	5.9400e-003	41.7168
Worker	0.0230	0.0114	0.1959	6.5000e-004	0.0952	3.2000e-004	0.0955	0.0253	2.9000e-004	0.0256	0.0000	59.9123	59.9123	1.2300e-003	1.4600e-003	60.3768
Total	0.0255	0.1183	0.2282	1.0600e-003	0.1099	8.7000e-004	0.1108	0.0296	8.2000e-004	0.0304	0.0000	99.8355	99.8355	2.2000e-003	7.4000e-003	102.0936

3.6 Paving - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0187	0.0961	0.2140	3.8000e-004		4.4600e-003	4.4600e-003		4.4600e-003	4.4600e-003	0.0000	32.5343	32.5343	1.5300e-003	0.0000	32.5725
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0187	0.0961	0.2140	3.8000e-004		4.4600e-003	4.4600e-003		4.4600e-003	4.4600e-003	0.0000	32.5343	32.5343	1.5300e-003	0.0000	32.5725

Unmitigated Construction Off-Site

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	1.8000e-004	3.0600e-003	1.0000e-005	1.4900e-003	0.0000	1.4900e-003	4.0000e-004	0.0000	4.0000e-004	0.0000	0.9361	0.9361	2.0000e-005	2.0000e-005	0.9434
Total	3.6000e-004	1.8000e-004	3.0600e-003	1.0000e-005	1.4900e-003	0.0000	1.4900e-003	4.0000e-004	0.0000	4.0000e-004	0.0000	0.9361	0.9361	2.0000e-005	2.0000e-005	0.9434

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0187	0.0961	0.2140	3.8000e-004		4.4600e-003	4.4600e-003		4.4600e-003	4.4600e-003	0.0000	32.5343	32.5343	1.5300e-003	0.0000	32.5724
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0187	0.0961	0.2140	3.8000e-004		4.4600e-003	4.4600e-003		4.4600e-003	4.4600e-003	0.0000	32.5343	32.5343	1.5300e-003	0.0000	32.5724

Mitigated Construction Off-Site

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	1.8000e-004	3.0600e-003	1.0000e-005	1.4900e-003	0.0000	1.4900e-003	4.0000e-004	0.0000	4.0000e-004	0.0000	0.9361	0.9361	2.0000e-005	2.0000e-005	0.9434
Total	3.6000e-004	1.8000e-004	3.0600e-003	1.0000e-005	1.4900e-003	0.0000	1.4900e-003	4.0000e-004	0.0000	4.0000e-004	0.0000	0.9361	0.9361	2.0000e-005	2.0000e-005	0.9434

3.7 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9062					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6300e-003	0.0107	0.0225	4.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	3.1916	3.1916	1.3000e-004	0.0000	3.1948
Total	0.9079	0.0107	0.0225	4.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	3.1916	3.1916	1.3000e-004	0.0000	3.1948

Unmitigated Construction Off-Site

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.5000e-004	4.7000e-004	8.1200e-003	3.0000e-005	3.9500e-003	1.0000e-005	3.9600e-003	1.0500e-003	1.0000e-005	1.0600e-003	0.0000	2.4848	2.4848	5.0000e-005	6.0000e-005	2.5041
Total	9.5000e-004	4.7000e-004	8.1200e-003	3.0000e-005	3.9500e-003	1.0000e-005	3.9600e-003	1.0500e-003	1.0000e-005	1.0600e-003	0.0000	2.4848	2.4848	5.0000e-005	6.0000e-005	2.5041

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9062					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6300e-003	0.0107	0.0225	4.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	3.1916	3.1916	1.3000e-004	0.0000	3.1948
Total	0.9079	0.0107	0.0225	4.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	3.1916	3.1916	1.3000e-004	0.0000	3.1948

Mitigated Construction Off-Site

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.5000e-004	4.7000e-004	8.1200e-003	3.0000e-005	3.9500e-003	1.0000e-005	3.9600e-003	1.0500e-003	1.0000e-005	1.0600e-003	0.0000	2.4848	2.4848	5.0000e-005	6.0000e-005	2.5041
Total	9.5000e-004	4.7000e-004	8.1200e-003	3.0000e-005	3.9500e-003	1.0000e-005	3.9600e-003	1.0500e-003	1.0000e-005	1.0600e-003	0.0000	2.4848	2.4848	5.0000e-005	6.0000e-005	2.5041

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5980	0.7046	5.5363	0.0119	1.4989	8.0500e-003	1.5069	0.4005	7.5100e-003	0.4080	0.0000	1,102.9954	1,102.9954	0.0759	0.0550	1,121.2905
Unmitigated	0.5980	0.7046	5.5363	0.0119	1.4989	8.0500e-003	1.5069	0.4005	7.5100e-003	0.4080	0.0000	1,102.9954	1,102.9954	0.0759	0.0550	1,121.2905

4.2 Trip Summary Information

	Average Daily Trip Rate	Unmitigated	Mitigated
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,360.00	1,227.50	1022.50	3,317,612	3,317,612
Enclosed Parking Structure	0.00	0.00	0.00		
General Office Building	467.52	106.08	33.60	730,834	730,834
Total	1,827.52	1,333.58	1,056.10	4,048,447	4,048,447

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3
Enclosed Parking Structure	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
General Office Building	10.00	5.00	6.50	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.563681	0.056052	0.181642	0.120495	0.020534	0.005365	0.013398	0.009502	0.000786	0.000664	0.024501	0.000825	0.002555
Enclosed Parking Structure	0.563681	0.056052	0.181642	0.120495	0.020534	0.005365	0.013398	0.009502	0.000786	0.000664	0.024501	0.000825	0.002555
General Office Building	0.563681	0.056052	0.181642	0.120495	0.020534	0.005365	0.013398	0.009502	0.000786	0.000664	0.024501	0.000825	0.002555

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Electricity Mitigated					0.0000	0.0000		0.0000	0.0000	0.0000	307.3196	307.3196	0.0283	3.4300e-003	309.0511
Electricity Unmitigated					0.0000	0.0000		0.0000	0.0000	0.0000	307.3196	307.3196	0.0283	3.4300e-003	309.0511
NaturalGas Mitigated	0.0161	0.1390	0.0718	8.8000e-004	0.0111	0.0111		0.0111	0.0111	0.0000	158.8693	158.8693	3.0400e-003	2.9100e-003	159.8133
NaturalGas Unmitigated	0.0161	0.1390	0.0718	8.8000e-004	0.0111	0.0111		0.0111	0.0111	0.0000	158.8693	158.8693	3.0400e-003	2.9100e-003	159.8133

5.2 Energy by Land Use - NaturalGas
Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	2.35406e+006	0.0127	0.1085	0.0462	6.9000e-004		8.7700e-003	8.7700e-003		8.7700e-003	8.7700e-003	0.0000	125.6215	125.6215	2.4100e-003	2.3000e-003	126.3680
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	623040	3.3600e-003	0.0305	0.0257	1.8000e-004		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003	0.0000	33.2478	33.2478	6.4000e-004	6.1000e-004	33.4454
Total		0.0161	0.1390	0.0718	8.7000e-004		0.0111	0.0111		0.0111	0.0111	0.0000	158.8693	158.8693	3.0500e-003	2.9100e-003	159.8133

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	kBTU/yr	tons/yr								MT/yr					
Apartments Mid Rise	2.35406e+006	0.0127	0.1085	0.0462	6.9000e-004	8.7700e-003	8.7700e-003	8.7700e-003	8.7700e-003	0.0000	125.6215	125.6215	2.4100e-003	2.3000e-003	126.3680
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	623040	3.3600e-003	0.0305	0.0257	1.8000e-004	2.3200e-003	2.3200e-003	2.3200e-003	2.3200e-003	0.0000	33.2478	33.2478	6.4000e-004	6.1000e-004	33.4454
Total		0.0161	0.1390	0.0718	8.7000e-004	0.0111	0.0111	0.0111	0.0111	0.0000	158.8693	158.8693	3.0500e-003	2.9100e-003	159.8133

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use kWh/yr	Total CO2	MT/yr			CO2e
			CH4	N2O		
Apartments Mid Rise	973430	158.0626	0.0146	1.7700e-003		158.9532
Enclosed Parking Structure	252000	40.9190	3.7700e-003	4.6000e-004		41.1496
General Office Building	667200	108.3379	9.9900e-003	1.2100e-003		108.9484
Total		307.3196	0.0283	3.4400e-003		309.0511

Mitigated

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	973430	158.0626	0.0146	1.7700e-003	158.9532
Enclosed Parking Structure	252000	40.9190	3.7700e-003	4.6000e-004	41.1496
General Office Building	667200	108.3379	9.9900e-003	1.2100e-003	108.9484
Total		307.3196	0.0283	3.4400e-003	309.0511

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8072	0.0297	2.5736	1.4000e-004		0.0143	0.0143		0.0143	0.0143	0.0000	4.2157	4.2157	4.0200e-003	0.0000	4.3163
Unmitigated	0.8072	0.0297	2.5736	1.4000e-004		0.0143	0.0143		0.0143	0.0143	0.0000	4.2157	4.2157	4.0200e-003	0.0000	4.3163

6.2 Area by SubCategory

Unmitigated

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0943					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6358					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0771	0.0297	2.5736	1.4000e-004		0.0143	0.0143		0.0143	0.0143	0.0000	4.2157	4.2157	4.0200e-003	0.0000	4.3163
Total	0.8072	0.0297	2.5736	1.4000e-004		0.0143	0.0143		0.0143	0.0143	0.0000	4.2157	4.2157	4.0200e-003	0.0000	4.3163

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0943					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6358					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0771	0.0297	2.5736	1.4000e-004		0.0143	0.0143		0.0143	0.0143	0.0000	4.2157	4.2157	4.0200e-003	0.0000	4.3163
Total	0.8072	0.0297	2.5736	1.4000e-004		0.0143	0.0143		0.0143	0.0143	0.0000	4.2157	4.2157	4.0200e-003	0.0000	4.3163

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	37.6695	0.0329	0.0194	44.2786
Unmitigated	37.6695	0.0329	0.0194	44.2786

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	16.2885 / 10.2688	24.7773	0.0216	0.0127	29.1149
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	8.53122 / 5.22881	12.8923	0.0113	6.6700e-003	15.1637

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Total	37.6695	0.0329	0.0194	44.2786
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Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	16.2885 / 10.2688	24.7773	0.0216	0.0127	29.1149
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	8.53122 / 5.22881	12.8923	0.0113	6.6700e-003	15.1637
Total		37.6695	0.0329	0.0194	44.2786

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated	32.4055	1.9151	0.0000	80.2832
Unmitigated	32.4055	1.9151	0.0000	80.2832

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	115	23.3440	1.3796	0.0000	57.8337
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
General Office Building	44.64	9.0615	0.5355	0.0000	22.4495
Total		32.4055	1.9151	0.0000	80.2832

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	115	23.3440	1.3796	0.0000	57.8337

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
General Office Building	44.64	9.0615	0.5355	0.0000	22.4495
Total		32.4055	1.9151	0.0000	80.2832

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Innovation Park CNU Phase 3D
Sacramento County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Day-Care Center	15.00	1000sqft	0.34	15,000.00	0
Health Club	30.00	1000sqft	0.69	30,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2031
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	357.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Daycare and health club construction only

Land Use - Daycare and Health Club

Construction Phase - Adjusted Schedule

Grading -

Trips and VMT - 20 haul trucks/day for demo, site prep, and grading

Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMPs

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	11.00
tblConstructionPhase	NumDays	200.00	225.00
tblConstructionPhase	NumDays	20.00	18.00
tblConstructionPhase	NumDays	4.00	5.00
tblConstructionPhase	NumDays	10.00	11.00
tblConstructionPhase	PhaseEndDate	7/28/2031	9/1/2031

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	PhaseEndDate	6/30/2031	7/31/2031
tblConstructionPhase	PhaseEndDate	9/13/2030	9/11/2030
tblConstructionPhase	PhaseEndDate	9/23/2030	9/20/2030
tblConstructionPhase	PhaseEndDate	7/14/2031	8/15/2031
tblConstructionPhase	PhaseEndDate	9/17/2030	9/13/2030
tblConstructionPhase	PhaseStartDate	7/15/2031	8/18/2031
tblConstructionPhase	PhaseStartDate	9/24/2030	9/20/2030
tblConstructionPhase	PhaseStartDate	9/18/2030	9/16/2030
tblConstructionPhase	PhaseStartDate	7/1/2031	8/1/2031
tblConstructionPhase	PhaseStartDate	9/14/2030	9/12/2030
tblTripsAndVMT	HaulingTripNumber	0.00	360.00
tblTripsAndVMT	HaulingTripNumber	0.00	100.00
tblTripsAndVMT	HaulingTripNumber	0.00	40.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	0.0578	0.3992	0.6092	1.4300e-003	0.0359	7.5200e-003	0.0434	0.0148	7.5100e-003	0.0223	0.0000	121.7317	121.7317	5.2000e-003	2.8300e-003	122.7059
2031	0.2992	0.5991	1.0123	2.0800e-003	0.0144	0.0109	0.0253	3.9000e-003	0.0109	0.0148	0.0000	173.0959	173.0959	7.4200e-003	1.4300e-003	173.7063
Maximum	0.2992	0.5991	1.0123	2.0800e-003	0.0359	0.0109	0.0434	0.0148	0.0109	0.0223	0.0000	173.0959	173.0959	7.4200e-003	2.8300e-003	173.7063

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	0.0165	0.1954	0.6720	1.4300e-003	0.0227	1.8900e-003	0.0246	8.4400e-003	1.8700e-003	0.0103	0.0000	121.7316	121.7316	5.2000e-003	2.8300e-003	122.7058
2031	0.2352	0.3106	1.0918	2.0800e-003	0.0144	2.6000e-003	0.0170	3.9000e-003	2.5900e-003	6.4900e-003	0.0000	173.0957	173.0957	7.4200e-003	1.4300e-003	173.7061
Maximum	0.2352	0.3106	1.0918	2.0800e-003	0.0227	2.6000e-003	0.0246	8.4400e-003	2.5900e-003	0.0103	0.0000	173.0957	173.0957	7.4200e-003	2.8300e-003	173.7061

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	29.52	49.32	-8.78	0.00	26.21	75.58	39.43	34.01	75.72	54.68	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	8-19-2030	11-18-2030	0.3108	0.1387
2	11-19-2030	2-18-2031	0.2838	0.1437
3	2-19-2031	5-18-2031	0.2741	0.1385
4	5-19-2031	8-18-2031	0.2696	0.1333
5	8-19-2031	9-30-2031	0.1946	0.1905
		Highest	0.3108	0.1905

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1967	1.0000e-005	5.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1200e-003	1.1200e-003	0.0000	0.0000	1.1900e-003
Energy	6.9800e-003	0.0634	0.0533	3.8000e-004		4.8200e-003	4.8200e-003		4.8200e-003	4.8200e-003	0.0000	158.5334	158.5334	9.5700e-003	2.2700e-003	159.4479
Mobile	0.4017	0.3829	2.9803	5.2600e-003	0.6415	3.8400e-003	0.6453	0.1714	3.5800e-003	0.1750	0.0000	487.5906	487.5906	0.0429	0.0294	497.4359
Waste						0.0000	0.0000		0.0000	0.0000	38.6698	0.0000	38.6698	2.2853	0.0000	95.8027
Water						0.0000	0.0000		0.0000	0.0000	0.8554	3.5142	4.3696	3.2700e-003	1.9000e-003	5.0173
Total	0.6054	0.4463	3.0342	5.6400e-003	0.6415	8.6600e-003	0.6501	0.1714	8.4000e-003	0.1798	39.5251	649.6393	689.1645	2.3411	0.0336	757.7050

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1967	1.0000e-005	5.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1200e-003	1.1200e-003	0.0000	0.0000	1.1900e-003
Energy	6.9800e-003	0.0634	0.0533	3.8000e-004		4.8200e-003	4.8200e-003		4.8200e-003	4.8200e-003	0.0000	158.5334	158.5334	9.5700e-003	2.2700e-003	159.4479
Mobile	0.4017	0.3829	2.9803	5.2600e-003	0.6415	3.8400e-003	0.6453	0.1714	3.5800e-003	0.1750	0.0000	487.5906	487.5906	0.0429	0.0294	497.4359
Waste						0.0000	0.0000		0.0000	0.0000	38.6698	0.0000	38.6698	2.2853	0.0000	95.8027
Water						0.0000	0.0000		0.0000	0.0000	0.8554	3.5142	4.3696	3.2700e-003	1.9000e-003	5.0173
Total	0.6054	0.4463	3.0342	5.6400e-003	0.6415	8.6600e-003	0.6501	0.1714	8.4000e-003	0.1798	39.5251	649.6393	689.1645	2.3411	0.0336	757.7050

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/19/2030	9/11/2030	5	18	
2	Site Preparation	Site Preparation	9/12/2030	9/13/2030	5	2	
3	Grading	Grading	9/16/2030	9/20/2030	5	5	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Building Construction	Building Construction	9/20/2030	7/31/2031	5	225
5	Paving	Paving	8/1/2031	8/15/2031	5	11
6	Architectural Coating	Architectural Coating	8/18/2031	9/1/2031	5	11

Acres of Grading (Site Preparation Phase): 1.88

Acres of Grading (Grading Phase): 5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 67,500; Non-Residential Outdoor: 22,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	4.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	19.00	7.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	5	13.00	0.00	360.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	100.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	40.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0120	0.0721	0.1167	2.5000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	21.7354	21.7354	9.6000e-004	0.0000	21.7594
Total	0.0120	0.0721	0.1167	2.5000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	21.7354	21.7354	9.6000e-004	0.0000	21.7594

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.1000e-004	0.0241	5.8200e-003	1.0000e-004	3.0400e-003	1.8000e-004	3.2200e-003	8.3000e-004	1.7000e-004	1.0100e-003	0.0000	9.6403	9.6403	3.9000e-004	1.5300e-003	10.1058
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.1000e-004	1.8300e-003	1.0000e-005	8.6000e-004	0.0000	8.6000e-004	2.3000e-004	0.0000	2.3000e-004	0.0000	0.5528	0.5528	1.0000e-005	1.0000e-005	0.5571
Total	6.3000e-004	0.0242	7.6500e-003	1.1000e-004	3.9000e-003	1.8000e-004	4.0800e-003	1.0600e-003	1.7000e-004	1.2400e-003	0.0000	10.1931	10.1931	4.0000e-004	1.5400e-003	10.6629

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.5300e-003	0.0110	0.1325	2.5000e-004		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	21.7354	21.7354	9.6000e-004	0.0000	21.7594
Total	2.5300e-003	0.0110	0.1325	2.5000e-004		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	21.7354	21.7354	9.6000e-004	0.0000	21.7594

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.1000e-004	0.0241	5.8200e-003	1.0000e-004	3.0400e-003	1.8000e-004	3.2200e-003	8.3000e-004	1.7000e-004	1.0100e-003	0.0000	9.6403	9.6403	3.9000e-004	1.5300e-003	10.1058
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.1000e-004	1.8300e-003	1.0000e-005	8.6000e-004	0.0000	8.6000e-004	2.3000e-004	0.0000	2.3000e-004	0.0000	0.5528	0.5528	1.0000e-005	1.0000e-005	0.5571
Total	6.3000e-004	0.0242	7.6500e-003	1.1000e-004	3.9000e-003	1.8000e-004	4.0800e-003	1.0600e-003	1.7000e-004	1.2400e-003	0.0000	10.1931	10.1931	4.0000e-004	1.5400e-003	10.6629

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.2700e-003	0.0000	6.2700e-003	3.0000e-003	0.0000	3.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.8000e-004	4.7400e-003	5.9100e-003	2.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	1.8096	1.8096	8.0000e-005	0.0000	1.8115
Total	9.8000e-004	4.7400e-003	5.9100e-003	2.0000e-005	6.2700e-003	1.6000e-004	6.4300e-003	3.0000e-003	1.6000e-004	3.1600e-003	0.0000	1.8096	1.8096	8.0000e-005	0.0000	1.8115

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	2.6800e-003	6.5000e-004	1.0000e-005	3.4000e-004	2.0000e-005	3.6000e-004	9.0000e-005	2.0000e-005	1.1000e-004	0.0000	1.0711	1.0711	4.0000e-005	1.7000e-004	1.1229
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0378	0.0378	0.0000	0.0000	0.0381
Total	7.0000e-005	2.6900e-003	7.8000e-004	1.0000e-005	4.0000e-004	2.0000e-005	4.2000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	1.1089	1.1089	4.0000e-005	1.7000e-004	1.1610

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.8200e-003	0.0000	2.8200e-003	1.3500e-003	0.0000	1.3500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1000e-004	9.1000e-004	8.6700e-003	2.0000e-005		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	1.8096	1.8096	8.0000e-005	0.0000	1.8115
Total	2.1000e-004	9.1000e-004	8.6700e-003	2.0000e-005	2.8200e-003	3.0000e-005	2.8500e-003	1.3500e-003	3.0000e-005	1.3800e-003	0.0000	1.8096	1.8096	8.0000e-005	0.0000	1.8115

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	2.6800e-003	6.5000e-004	1.0000e-005	3.4000e-004	2.0000e-005	3.6000e-004	9.0000e-005	2.0000e-005	1.1000e-004	0.0000	1.0711	1.0711	4.0000e-005	1.7000e-004	1.1229
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0378	0.0378	0.0000	0.0000	0.0381
Total	7.0000e-005	2.6900e-003	7.8000e-004	1.0000e-005	4.0000e-004	2.0000e-005	4.2000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	1.1089	1.1089	4.0000e-005	1.7000e-004	1.1610

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0177	0.0000	0.0177	8.5600e-003	0.0000	8.5600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9400e-003	0.0148	0.0199	6.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	5.4165	5.4165	2.4000e-004	0.0000	5.4224
Total	2.9400e-003	0.0148	0.0199	6.0000e-005	0.0177	4.6000e-004	0.0182	8.5600e-003	4.6000e-004	9.0200e-003	0.0000	5.4165	5.4165	2.4000e-004	0.0000	5.4224

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1000e-004	6.7000e-003	1.6200e-003	3.0000e-005	8.4000e-004	5.0000e-005	8.9000e-004	2.3000e-004	5.0000e-005	2.8000e-004	0.0000	2.6779	2.6779	1.1000e-004	4.2000e-004	2.8072
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	2.0000e-005	3.9000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1181	0.1181	0.0000	0.0000	0.1190
Total	1.6000e-004	6.7200e-003	2.0100e-003	3.0000e-005	1.0200e-003	5.0000e-005	1.0700e-003	2.8000e-004	5.0000e-005	3.3000e-004	0.0000	2.7960	2.7960	1.1000e-004	4.2000e-004	2.9262

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.9700e-003	0.0000	7.9700e-003	3.8500e-003	0.0000	3.8500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3000e-004	2.7300e-003	0.0273	6.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	5.4165	5.4165	2.4000e-004	0.0000	5.4224
Total	6.3000e-004	2.7300e-003	0.0273	6.0000e-005	7.9700e-003	8.0000e-005	8.0500e-003	3.8500e-003	8.0000e-005	3.9300e-003	0.0000	5.4165	5.4165	2.4000e-004	0.0000	5.4224

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1000e-004	6.7000e-003	1.6200e-003	3.0000e-005	8.4000e-004	5.0000e-005	8.9000e-004	2.3000e-004	5.0000e-005	2.8000e-004	0.0000	2.6779	2.6779	1.1000e-004	4.2000e-004	2.8072
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	2.0000e-005	3.9000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1181	0.1181	0.0000	0.0000	0.1190
Total	1.6000e-004	6.7200e-003	2.0100e-003	3.0000e-005	1.0200e-003	5.0000e-005	1.0700e-003	2.8000e-004	5.0000e-005	3.3000e-004	0.0000	2.7960	2.7960	1.1000e-004	4.2000e-004	2.9262

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0395	0.2624	0.4420	8.7000e-004		4.6400e-003	4.6400e-003		4.6400e-003	4.6400e-003	0.0000	71.2793	71.2793	3.1900e-003	0.0000	71.3591
Total	0.0395	0.2624	0.4420	8.7000e-004		4.6400e-003	4.6400e-003		4.6400e-003	4.6400e-003	0.0000	71.2793	71.2793	3.1900e-003	0.0000	71.3591

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6000e-004	0.0110	3.3000e-003	4.0000e-005	1.4900e-003	6.0000e-005	1.5500e-003	4.3000e-004	5.0000e-005	4.9000e-004	0.0000	4.1167	4.1167	1.0000e-004	6.1000e-004	4.3014
Worker	1.3100e-003	6.5000e-004	0.0109	4.0000e-005	5.0900e-003	2.0000e-005	5.1100e-003	1.3500e-003	2.0000e-005	1.3700e-003	0.0000	3.2763	3.2763	7.0000e-005	8.0000e-005	3.3020
Total	1.5700e-003	0.0116	0.0142	8.0000e-005	6.5800e-003	8.0000e-005	6.6600e-003	1.7800e-003	7.0000e-005	1.8600e-003	0.0000	7.3930	7.3930	1.7000e-004	6.9000e-004	7.6034

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0107	0.1355	0.4790	8.7000e-004		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	71.2792	71.2792	3.1900e-003	0.0000	71.3590
Total	0.0107	0.1355	0.4790	8.7000e-004		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	71.2792	71.2792	3.1900e-003	0.0000	71.3590

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6000e-004	0.0110	3.3000e-003	4.0000e-005	1.4900e-003	6.0000e-005	1.5500e-003	4.3000e-004	5.0000e-005	4.9000e-004	0.0000	4.1167	4.1167	1.0000e-004	6.1000e-004	4.3014
Worker	1.3100e-003	6.5000e-004	0.0109	4.0000e-005	5.0900e-003	2.0000e-005	5.1100e-003	1.3500e-003	2.0000e-005	1.3700e-003	0.0000	3.2763	3.2763	7.0000e-005	8.0000e-005	3.3020
Total	1.5700e-003	0.0116	0.0142	8.0000e-005	6.5800e-003	8.0000e-005	6.6600e-003	1.7800e-003	7.0000e-005	1.8600e-003	0.0000	7.3930	7.3930	1.7000e-004	6.9000e-004	7.6034

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0822	0.5463	0.9204	1.8100e-003		9.6500e-003	9.6500e-003		9.6500e-003	9.6500e-003	0.0000	148.4172	148.4172	6.6400e-003	0.0000	148.5832
Total	0.0822	0.5463	0.9204	1.8100e-003		9.6500e-003	9.6500e-003		9.6500e-003	9.6500e-003	0.0000	148.4172	148.4172	6.6400e-003	0.0000	148.5832

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4000e-004	0.0226	6.8200e-003	9.0000e-005	3.1100e-003	1.2000e-004	3.2300e-003	9.0000e-004	1.1000e-004	1.0100e-003	0.0000	8.4282	8.4282	2.1000e-004	1.2500e-003	8.8069
Worker	2.5600e-003	1.2700e-003	0.0218	7.0000e-005	0.0106	4.0000e-005	0.0106	2.8200e-003	3.0000e-005	2.8500e-003	0.0000	6.6754	6.6754	1.4000e-004	1.6000e-004	6.7272
Total	3.1000e-003	0.0238	0.0287	1.6000e-004	0.0137	1.6000e-004	0.0139	3.7200e-003	1.4000e-004	3.8600e-003	0.0000	15.1037	15.1037	3.5000e-004	1.4100e-003	15.5341

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0223	0.2821	0.9974	1.8100e-003		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	148.4170	148.4170	6.6400e-003	0.0000	148.5831
Total	0.0223	0.2821	0.9974	1.8100e-003		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	148.4170	148.4170	6.6400e-003	0.0000	148.5831

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4000e-004	0.0226	6.8200e-003	9.0000e-005	3.1100e-003	1.2000e-004	3.2300e-003	9.0000e-004	1.1000e-004	1.0100e-003	0.0000	8.4282	8.4282	2.1000e-004	1.2500e-003	8.8069
Worker	2.5600e-003	1.2700e-003	0.0218	7.0000e-005	0.0106	4.0000e-005	0.0106	2.8200e-003	3.0000e-005	2.8500e-003	0.0000	6.6754	6.6754	1.4000e-004	1.6000e-004	6.7272
Total	3.1000e-003	0.0238	0.0287	1.6000e-004	0.0137	1.6000e-004	0.0139	3.7200e-003	1.4000e-004	3.8600e-003	0.0000	15.1037	15.1037	3.5000e-004	1.4100e-003	15.5341

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3.6 Paving - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.4900e-003	0.0242	0.0520	9.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	7.7386	7.7386	3.6000e-004	0.0000	7.7477
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.4900e-003	0.0242	0.0520	9.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	7.7386	7.7386	3.6000e-004	0.0000	7.7477

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	6.0000e-005	1.0800e-003	0.0000	5.3000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3305	0.3305	1.0000e-005	1.0000e-005	0.3331
Total	1.3000e-004	6.0000e-005	1.0800e-003	0.0000	5.3000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3305	0.3305	1.0000e-005	1.0000e-005	0.3331

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3.6 Paving - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.8000e-004	3.8100e-003	0.0542	9.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	7.7386	7.7386	3.6000e-004	0.0000	7.7477
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.8000e-004	3.8100e-003	0.0542	9.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	7.7386	7.7386	3.6000e-004	0.0000	7.7477

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	6.0000e-005	1.0800e-003	0.0000	5.3000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3305	0.3305	1.0000e-005	1.0000e-005	0.3331
Total	1.3000e-004	6.0000e-005	1.0800e-003	0.0000	5.3000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3305	0.3305	1.0000e-005	1.0000e-005	0.3331

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2086					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.2000e-004	4.7100e-003	9.8900e-003	2.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.4043	1.4043	6.0000e-005	0.0000	1.4057
Total	0.2093	4.7100e-003	9.8900e-003	2.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.4043	1.4043	6.0000e-005	0.0000	1.4057

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	3.3000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1017	0.1017	0.0000	0.0000	0.1025
Total	4.0000e-005	2.0000e-005	3.3000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1017	0.1017	0.0000	0.0000	0.1025

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2086					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6000e-004	7.1000e-004	0.0101	2.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.4043	1.4043	6.0000e-005	0.0000	1.4057
Total	0.2087	7.1000e-004	0.0101	2.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.4043	1.4043	6.0000e-005	0.0000	1.4057

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	3.3000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1017	0.1017	0.0000	0.0000	0.1025
Total	4.0000e-005	2.0000e-005	3.3000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1017	0.1017	0.0000	0.0000	0.1025

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Innovation Park CNU Phase 3E
Sacramento County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	14.40	1000sqft	0.33	14,400.00	0
Enclosed Parking Structure	48.00	Space	0.43	14,400.00	0
Congregate Care (Assisted Living)	100.00	Dwelling Unit	6.25	57,600.00	267

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2032
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	357.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Active Senior Living BLDG
 Land Use - Active Senior Living Building
 Construction Phase - Adjusted Schedule
 Grading -
 Trips and VMT - 10 truck/day for demo, site prep. grading
 Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMPs

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	27.00
tblConstructionPhase	NumDays	230.00	308.00
tblConstructionPhase	NumDays	20.00	16.00
tblConstructionPhase	NumDays	20.00	17.00
tblConstructionPhase	NumDays	20.00	26.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	PhaseEndDate	5/10/2032	8/30/2032
tblConstructionPhase	PhaseEndDate	3/15/2032	6/17/2032
tblConstructionPhase	PhaseEndDate	3/17/2031	3/11/2031
tblConstructionPhase	PhaseEndDate	4/28/2031	4/15/2031
tblConstructionPhase	PhaseEndDate	4/12/2032	7/23/2032
tblConstructionPhase	PhaseEndDate	3/31/2031	3/21/2031
tblConstructionPhase	PhaseStartDate	4/13/2032	7/26/2032
tblConstructionPhase	PhaseStartDate	4/29/2031	4/15/2031
tblConstructionPhase	PhaseStartDate	4/1/2031	3/24/2031
tblConstructionPhase	PhaseStartDate	3/16/2032	6/18/2032
tblConstructionPhase	PhaseStartDate	3/18/2031	3/12/2031
tblLandUse	LandUseSquareFeet	19,200.00	14,400.00
tblLandUse	LandUseSquareFeet	100,000.00	57,600.00
tblTripsAndVMT	HaulingTripNumber	0.00	160.00
tblTripsAndVMT	HaulingTripNumber	0.00	170.00
tblTripsAndVMT	HaulingTripNumber	0.00	80.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2031	0.1787	1.0343	1.9968	4.5000e-003	0.2098	0.0211	0.2309	0.0886	0.0211	0.1097	0.0000	390.4326	390.4326	0.0148	5.9200e-003	392.5686
2032	0.5222	0.6264	1.2981	2.6900e-003	0.0452	0.0139	0.0591	0.0122	0.0138	0.0260	0.0000	232.4903	232.4903	8.8100e-003	2.7000e-003	233.5163
Maximum	0.5222	1.0343	1.9968	4.5000e-003	0.2098	0.0211	0.2309	0.0886	0.0211	0.1097	0.0000	390.4326	390.4326	0.0148	5.9200e-003	392.5686

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2031	0.0555	0.3400	2.1999	4.5000e-003	0.1335	5.6700e-003	0.1392	0.0504	5.6400e-003	0.0560	0.0000	390.4322	390.4322	0.0148	5.9200e-003	392.5682
2032	0.4471	0.1953	1.3962	2.6900e-003	0.0452	3.3300e-003	0.0486	0.0122	3.3100e-003	0.0155	0.0000	232.4901	232.4901	8.8100e-003	2.7000e-003	233.5160
Maximum	0.4471	0.3400	2.1999	4.5000e-003	0.1335	5.6700e-003	0.1392	0.0504	5.6400e-003	0.0560	0.0000	390.4322	390.4322	0.0148	5.9200e-003	392.5682

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	28.29	67.76	-9.14	0.00	29.94	74.25	35.27	37.93	74.36	47.31	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	2-18-2031	5-17-2031	0.3739	0.1117
2	5-18-2031	8-17-2031	0.3319	0.1124
3	8-18-2031	11-17-2031	0.3327	0.1132
4	11-18-2031	2-17-2032	0.3330	0.1135
5	2-18-2032	5-17-2032	0.3247	0.1100
6	5-18-2032	8-17-2032	0.4911	0.3202
7	8-18-2032	9-30-2032	0.1524	0.1485
		Highest	0.4911	0.3202

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3559	0.0119	1.0293	5.0000e-005		5.7200e-003	5.7200e-003		5.7200e-003	5.7200e-003	0.0000	1.6861	1.6861	1.6100e-003	0.0000	1.7263
Energy	6.0900e-003	0.0526	0.0262	3.3000e-004		4.2000e-003	4.2000e-003		4.2000e-003	4.2000e-003	0.0000	168.2251	168.2251	0.0111	2.3100e-003	169.1915
Mobile	0.1324	0.1549	1.2331	2.6500e-003	0.3401	1.7300e-003	0.3418	0.0909	1.6200e-003	0.0925	0.0000	245.3095	245.3095	0.0169	0.0123	249.3919
Waste						0.0000	0.0000		0.0000	0.0000	21.2410	0.0000	21.2410	1.2553	0.0000	52.6236
Water						0.0000	0.0000		0.0000	0.0000	3.2107	10.5679	13.7786	0.0120	7.1000e-003	16.1951
Total	0.4943	0.2193	2.2886	3.0300e-003	0.3401	0.0117	0.3517	0.0909	0.0115	0.1024	24.4516	425.7885	450.2402	1.2970	0.0217	489.1284

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3559	0.0119	1.0293	5.0000e-005		5.7200e-003	5.7200e-003		5.7200e-003	5.7200e-003	0.0000	1.6861	1.6861	1.6100e-003	0.0000	1.7263
Energy	6.0900e-003	0.0526	0.0262	3.3000e-004		4.2000e-003	4.2000e-003		4.2000e-003	4.2000e-003	0.0000	168.2251	168.2251	0.0111	2.3100e-003	169.1915
Mobile	0.1324	0.1549	1.2331	2.6500e-003	0.3401	1.7300e-003	0.3418	0.0909	1.6200e-003	0.0925	0.0000	245.3095	245.3095	0.0169	0.0123	249.3919
Waste						0.0000	0.0000		0.0000	0.0000	21.2410	0.0000	21.2410	1.2553	0.0000	52.6236
Water						0.0000	0.0000		0.0000	0.0000	3.2107	10.5679	13.7786	0.0120	7.1000e-003	16.1951
Total	0.4943	0.2193	2.2886	3.0300e-003	0.3401	0.0117	0.3517	0.0909	0.0115	0.1024	24.4516	425.7885	450.2402	1.2970	0.0217	489.1284

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/18/2031	3/11/2031	5	16	
2	Site Preparation	Site Preparation	3/12/2031	3/21/2031	5	8	
3	Grading	Grading	3/24/2031	4/15/2031	5	17	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Building Construction	Building Construction	4/15/2031	6/17/2032	5	308
5	Paving	Paving	6/18/2032	7/23/2032	5	26
6	Architectural Coating	Architectural Coating	7/26/2032	8/30/2032	5	27

Acres of Grading (Site Preparation Phase): 12

Acres of Grading (Grading Phase): 17

Acres of Paving: 0.43

Residential Indoor: 116,640; Residential Outdoor: 38,880; Non-Residential Indoor: 21,600; Non-Residential Outdoor: 7,200; Striped Parking Area: 864 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Welders	1	8.00	46	0.45
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	17.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	83.00	15.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	160.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	170.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	80.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0166	0.0782	0.1513	3.7000e-004		2.8100e-003	2.8100e-003		2.8100e-003	2.8100e-003	0.0000	31.7775	31.7775	1.3400e-003	0.0000	31.8110
Total	0.0166	0.0782	0.1513	3.7000e-004		2.8100e-003	2.8100e-003		2.8100e-003	2.8100e-003	0.0000	31.7775	31.7775	1.3400e-003	0.0000	31.8110

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0105	2.5900e-003	4.0000e-005	1.3500e-003	8.0000e-005	1.4300e-003	3.7000e-004	8.0000e-005	4.5000e-004	0.0000	4.2078	4.2078	1.7000e-004	6.7000e-004	4.4110
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.1000e-004	1.8100e-003	1.0000e-005	8.8000e-004	0.0000	8.8000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.5547	0.5547	1.0000e-005	1.0000e-005	0.5590
Total	3.9000e-004	0.0106	4.4000e-003	5.0000e-005	2.2300e-003	8.0000e-005	2.3100e-003	6.0000e-004	8.0000e-005	6.9000e-004	0.0000	4.7625	4.7625	1.8000e-004	6.8000e-004	4.9700

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.7000e-003	0.0160	0.1862	3.7000e-004		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	31.7774	31.7774	1.3400e-003	0.0000	31.8109
Total	3.7000e-003	0.0160	0.1862	3.7000e-004		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	31.7774	31.7774	1.3400e-003	0.0000	31.8109

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0105	2.5900e-003	4.0000e-005	1.3500e-003	8.0000e-005	1.4300e-003	3.7000e-004	8.0000e-005	4.5000e-004	0.0000	4.2078	4.2078	1.7000e-004	6.7000e-004	4.4110
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.1000e-004	1.8100e-003	1.0000e-005	8.8000e-004	0.0000	8.8000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.5547	0.5547	1.0000e-005	1.0000e-005	0.5590
Total	3.9000e-004	0.0106	4.4000e-003	5.0000e-005	2.2300e-003	8.0000e-005	2.3100e-003	6.0000e-004	8.0000e-005	6.9000e-004	0.0000	4.7625	4.7625	1.8000e-004	6.8000e-004	4.9700

3.3 Site Preparation - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0786	0.0000	0.0786	0.0404	0.0000	0.0404	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.7600e-003	0.0547	0.0652	1.9000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	16.0018	16.0018	7.9000e-004	0.0000	16.0216
Total	9.7600e-003	0.0547	0.0652	1.9000e-004	0.0786	1.7500e-003	0.0804	0.0404	1.7500e-003	0.0422	0.0000	16.0018	16.0018	7.9000e-004	0.0000	16.0216

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.0000e-005	5.2700e-003	1.2900e-003	2.0000e-005	6.8000e-004	4.0000e-005	7.1000e-004	1.9000e-004	4.0000e-005	2.2000e-004	0.0000	2.1039	2.1039	9.0000e-005	3.3000e-004	2.2055
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	6.0000e-005	1.0900e-003	0.0000	5.3000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3329	0.3329	1.0000e-005	1.0000e-005	0.3354
Total	2.2000e-004	5.3300e-003	2.3800e-003	2.0000e-005	1.2100e-003	4.0000e-005	1.2400e-003	3.3000e-004	4.0000e-005	3.6000e-004	0.0000	2.4367	2.4367	1.0000e-004	3.4000e-004	2.5409

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0354	0.0000	0.0354	0.0182	0.0000	0.0182	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8600e-003	8.0700e-003	0.0835	1.9000e-004		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	16.0018	16.0018	7.9000e-004	0.0000	16.0216
Total	1.8600e-003	8.0700e-003	0.0835	1.9000e-004	0.0354	2.5000e-004	0.0356	0.0182	2.5000e-004	0.0184	0.0000	16.0018	16.0018	7.9000e-004	0.0000	16.0216

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3.3 Site Preparation - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.0000e-005	5.2700e-003	1.2900e-003	2.0000e-005	6.8000e-004	4.0000e-005	7.1000e-004	1.9000e-004	4.0000e-005	2.2000e-004	0.0000	2.1039	2.1039	9.0000e-005	3.3000e-004	2.2055
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	6.0000e-005	1.0900e-003	0.0000	5.3000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3329	0.3329	1.0000e-005	1.0000e-005	0.3354
Total	2.2000e-004	5.3300e-003	2.3800e-003	2.0000e-005	1.2100e-003	4.0000e-005	1.2400e-003	3.3000e-004	4.0000e-005	3.6000e-004	0.0000	2.4367	2.4367	1.0000e-004	3.4000e-004	2.5409

3.4 Grading - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0602	0.0000	0.0602	0.0291	0.0000	0.0291	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0138	0.0659	0.1228	3.1000e-004		1.9900e-003	1.9900e-003		1.9900e-003	1.9900e-003	0.0000	26.5239	26.5239	1.1100e-003	0.0000	26.5516
Total	0.0138	0.0659	0.1228	3.1000e-004	0.0602	1.9900e-003	0.0622	0.0291	1.9900e-003	0.0311	0.0000	26.5239	26.5239	1.1100e-003	0.0000	26.5516

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.9000e-004	0.0112	2.7500e-003	5.0000e-005	1.4400e-003	8.0000e-005	1.5200e-003	3.9000e-004	8.0000e-005	4.7000e-004	0.0000	4.4708	4.4708	1.8000e-004	7.1000e-004	4.6867
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.1000e-004	1.9300e-003	1.0000e-005	9.4000e-004	0.0000	9.4000e-004	2.5000e-004	0.0000	2.5000e-004	0.0000	0.5894	0.5894	1.0000e-005	1.0000e-005	0.5940
Total	4.2000e-004	0.0113	4.6800e-003	6.0000e-005	2.3800e-003	8.0000e-005	2.4600e-003	6.4000e-004	8.0000e-005	7.2000e-004	0.0000	5.0602	5.0602	1.9000e-004	7.2000e-004	5.2806

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0271	0.0000	0.0271	0.0131	0.0000	0.0131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0900e-003	0.0134	0.1509	3.1000e-004		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	26.5239	26.5239	1.1100e-003	0.0000	26.5516
Total	3.0900e-003	0.0134	0.1509	3.1000e-004	0.0271	4.1000e-004	0.0275	0.0131	4.1000e-004	0.0135	0.0000	26.5239	26.5239	1.1100e-003	0.0000	26.5516

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.9000e-004	0.0112	2.7500e-003	5.0000e-005	1.4400e-003	8.0000e-005	1.5200e-003	3.9000e-004	8.0000e-005	4.7000e-004	0.0000	4.4708	4.4708	1.8000e-004	7.1000e-004	4.6867
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.1000e-004	1.9300e-003	1.0000e-005	9.4000e-004	0.0000	9.4000e-004	2.5000e-004	0.0000	2.5000e-004	0.0000	0.5894	0.5894	1.0000e-005	1.0000e-005	0.5940
Total	4.2000e-004	0.0113	4.6800e-003	6.0000e-005	2.3800e-003	8.0000e-005	2.4600e-003	6.4000e-004	8.0000e-005	7.2000e-004	0.0000	5.0602	5.0602	1.9000e-004	7.2000e-004	5.2806

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1224	0.7419	1.5107	2.8900e-003		0.0139	0.0139		0.0139	0.0139	0.0000	245.7751	245.7751	9.8600e-003	0.0000	246.0216
Total	0.1224	0.7419	1.5107	2.8900e-003		0.0139	0.0139		0.0139	0.0139	0.0000	245.7751	245.7751	9.8600e-003	0.0000	246.0216

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4100e-003	0.0595	0.0180	2.3000e-004	8.2000e-003	3.1000e-004	8.5100e-003	2.3700e-003	3.0000e-004	2.6700e-003	0.0000	22.2192	22.2192	5.4000e-004	3.3000e-003	23.2174
Worker	0.0138	6.8200e-003	0.1173	3.9000e-004	0.0570	1.9000e-004	0.0572	0.0152	1.7000e-004	0.0153	0.0000	35.8757	35.8757	7.3000e-004	8.7000e-004	36.1539
Total	0.0152	0.0663	0.1353	6.2000e-004	0.0652	5.0000e-004	0.0657	0.0175	4.7000e-004	0.0180	0.0000	58.0949	58.0949	1.2700e-003	4.1700e-003	59.3713

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0307	0.2089	1.6325	2.8900e-003		3.8100e-003	3.8100e-003		3.8100e-003	3.8100e-003	0.0000	245.7748	245.7748	9.8600e-003	0.0000	246.0213
Total	0.0307	0.2089	1.6325	2.8900e-003		3.8100e-003	3.8100e-003		3.8100e-003	3.8100e-003	0.0000	245.7748	245.7748	9.8600e-003	0.0000	246.0213

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4100e-003	0.0595	0.0180	2.3000e-004	8.2000e-003	3.1000e-004	8.5100e-003	2.3700e-003	3.0000e-004	2.6700e-003	0.0000	22.2192	22.2192	5.4000e-004	3.3000e-003	23.2174
Worker	0.0138	6.8200e-003	0.1173	3.9000e-004	0.0570	1.9000e-004	0.0572	0.0152	1.7000e-004	0.0153	0.0000	35.8757	35.8757	7.3000e-004	8.7000e-004	36.1539
Total	0.0152	0.0663	0.1353	6.2000e-004	0.0652	5.0000e-004	0.0657	0.0175	4.7000e-004	0.0180	0.0000	58.0949	58.0949	1.2700e-003	4.1700e-003	59.3713

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0792	0.4800	0.9775	1.8700e-003		8.9600e-003	8.9600e-003		8.9600e-003	8.9600e-003	0.0000	159.0309	159.0309	6.3800e-003	0.0000	159.1904
Total	0.0792	0.4800	0.9775	1.8700e-003		8.9600e-003	8.9600e-003		8.9600e-003	8.9600e-003	0.0000	159.0309	159.0309	6.3800e-003	0.0000	159.1904

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2032

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-004	0.0381	0.0116	1.5000e-004	5.3100e-003	2.0000e-004	5.5000e-003	1.5300e-003	1.9000e-004	1.7200e-003	0.0000	14.1620	14.1620	3.5000e-004	2.1100e-003	14.7990
Worker	8.4000e-003	4.1800e-003	0.0735	2.5000e-004	0.0369	1.1000e-004	0.0370	9.8100e-003	1.1000e-004	9.9100e-003	0.0000	22.7630	22.7630	4.4000e-004	5.5000e-004	22.9380
Total	9.3000e-003	0.0423	0.0851	4.0000e-004	0.0422	3.1000e-004	0.0425	0.0113	3.0000e-004	0.0116	0.0000	36.9250	36.9250	7.9000e-004	2.6600e-003	37.7369

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0198	0.1352	1.0563	1.8700e-003		2.4700e-003	2.4700e-003		2.4700e-003	2.4700e-003	0.0000	159.0307	159.0307	6.3800e-003	0.0000	159.1902
Total	0.0198	0.1352	1.0563	1.8700e-003		2.4700e-003	2.4700e-003		2.4700e-003	2.4700e-003	0.0000	159.0307	159.0307	6.3800e-003	0.0000	159.1902

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3.5 Building Construction - 2032

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-004	0.0381	0.0116	1.5000e-004	5.3100e-003	2.0000e-004	5.5000e-003	1.5300e-003	1.9000e-004	1.7200e-003	0.0000	14.1620	14.1620	3.5000e-004	2.1100e-003	14.7990
Worker	8.4000e-003	4.1800e-003	0.0735	2.5000e-004	0.0369	1.1000e-004	0.0370	9.8100e-003	1.1000e-004	9.9100e-003	0.0000	22.7630	22.7630	4.4000e-004	5.5000e-004	22.9380
Total	9.3000e-003	0.0423	0.0851	4.0000e-004	0.0422	3.1000e-004	0.0425	0.0113	3.0000e-004	0.0116	0.0000	36.9250	36.9250	7.9000e-004	2.6600e-003	37.7369

3.6 Paving - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0180	0.0926	0.2060	3.6000e-004		4.3000e-003	4.3000e-003		4.3000e-003	4.3000e-003	0.0000	31.3294	31.3294	1.4700e-003	0.0000	31.3661
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0180	0.0926	0.2060	3.6000e-004		4.3000e-003	4.3000e-003		4.3000e-003	4.3000e-003	0.0000	31.3294	31.3294	1.4700e-003	0.0000	31.3661

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2032

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	1.6000e-004	2.8500e-003	1.0000e-005	1.4300e-003	0.0000	1.4400e-003	3.8000e-004	0.0000	3.9000e-004	0.0000	0.8840	0.8840	2.0000e-005	2.0000e-005	0.8908
Total	3.3000e-004	1.6000e-004	2.8500e-003	1.0000e-005	1.4300e-003	0.0000	1.4400e-003	3.8000e-004	0.0000	3.9000e-004	0.0000	0.8840	0.8840	2.0000e-005	2.0000e-005	0.8908

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6500e-003	0.0158	0.2248	3.6000e-004		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	31.3293	31.3293	1.4700e-003	0.0000	31.3661
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.6500e-003	0.0158	0.2248	3.6000e-004		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	31.3293	31.3293	1.4700e-003	0.0000	31.3661

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2032

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	1.6000e-004	2.8500e-003	1.0000e-005	1.4300e-003	0.0000	1.4400e-003	3.8000e-004	0.0000	3.9000e-004	0.0000	0.8840	0.8840	2.0000e-005	2.0000e-005	0.8908
Total	3.3000e-004	1.6000e-004	2.8500e-003	1.0000e-005	1.4300e-003	0.0000	1.4400e-003	3.8000e-004	0.0000	3.9000e-004	0.0000	0.8840	0.8840	2.0000e-005	2.0000e-005	0.8908

3.7 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4133					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-003	0.0111	0.0234	4.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	3.3192	3.3192	1.3000e-004	0.0000	3.3226
Total	0.4150	0.0111	0.0234	4.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	3.3192	3.3192	1.3000e-004	0.0000	3.3226

Innovation Park CNU Phase 3E - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2032

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	1.8000e-004	3.2300e-003	1.0000e-005	1.6200e-003	1.0000e-005	1.6300e-003	4.3000e-004	0.0000	4.4000e-004	0.0000	1.0018	1.0018	2.0000e-005	2.0000e-005	1.0095
Total	3.7000e-004	1.8000e-004	3.2300e-003	1.0000e-005	1.6200e-003	1.0000e-005	1.6300e-003	4.3000e-004	0.0000	4.4000e-004	0.0000	1.0018	1.0018	2.0000e-005	2.0000e-005	1.0095

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4133					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9000e-004	1.6700e-003	0.0238	4.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	3.3192	3.3192	1.3000e-004	0.0000	3.3226
Total	0.4137	1.6700e-003	0.0238	4.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	3.3192	3.3192	1.3000e-004	0.0000	3.3226

Innovation Park CNU Phase 3E - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2032

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	1.8000e-004	3.2300e-003	1.0000e-005	1.6200e-003	1.0000e-005	1.6300e-003	4.3000e-004	0.0000	4.4000e-004	0.0000	1.0018	1.0018	2.0000e-005	2.0000e-005	1.0095
Total	3.7000e-004	1.8000e-004	3.2300e-003	1.0000e-005	1.6200e-003	1.0000e-005	1.6300e-003	4.3000e-004	0.0000	4.4000e-004	0.0000	1.0018	1.0018	2.0000e-005	2.0000e-005	1.0095

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Innovation Park CNU Phase 3F - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Innovation Park CNU Phase 3F

Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	1,200.00	Space	10.80	207,000.00	0
Strip Mall	50.00	1000sqft	1.15	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2032
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	357.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Parking/Retail Construction ONLY

Land Use - Retail + Parking structure 2

Construction Phase - Adjusted schedule

Grading -

Trips and VMT - 20 truck/day demo, site prep, and grading

Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMPs

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Innovation Park CNU Phase 3F - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	19.00
tblConstructionPhase	NumDays	300.00	293.00
tblConstructionPhase	NumDays	20.00	17.00
tblConstructionPhase	NumDays	30.00	26.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	20.00	19.00
tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	PhaseEndDate	9/27/2032	8/31/2032
tblConstructionPhase	PhaseEndDate	8/2/2032	7/8/2032
tblConstructionPhase	PhaseEndDate	4/14/2031	4/9/2031
tblConstructionPhase	PhaseEndDate	6/9/2031	5/27/2031
tblConstructionPhase	PhaseEndDate	8/30/2032	8/4/2032
tblConstructionPhase	PhaseEndDate	4/28/2031	4/21/2031
tblConstructionPhase	PhaseStartDate	8/31/2032	8/5/2032
tblConstructionPhase	PhaseStartDate	6/10/2031	5/27/2031
tblConstructionPhase	PhaseStartDate	4/29/2031	4/22/2031
tblConstructionPhase	PhaseStartDate	8/3/2032	7/9/2032
tblConstructionPhase	PhaseStartDate	4/15/2031	4/10/2031
tblLandUse	LandUseSquareFeet	480,000.00	207,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	340.00
tblTripsAndVMT	HaulingTripNumber	0.00	520.00
tblTripsAndVMT	HaulingTripNumber	0.00	160.00

2.0 Emissions Summary

Innovation Park CNU Phase 3F - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2031	0.1924	1.1552	1.9815	5.1600e-003	0.2889	0.0241	0.3131	0.1125	0.0241	0.1366	0.0000	459.7382	459.7382	0.0171	0.0130	464.0347
2032	0.3791	0.7413	1.4103	3.2200e-003	0.0707	0.0142	0.0849	0.0192	0.0142	0.0333	0.0000	281.9351	281.9351	0.0101	7.4400e-003	284.4043
Maximum	0.3791	1.1552	1.9815	5.1600e-003	0.2889	0.0241	0.3131	0.1125	0.0241	0.1366	0.0000	459.7382	459.7382	0.0171	0.0130	464.0347

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2031	0.0610	0.4580	2.2689	5.1600e-003	0.1799	6.7300e-003	0.1866	0.0642	6.6600e-003	0.0709	0.0000	459.7378	459.7378	0.0171	0.0130	464.0343
2032	0.3009	0.2907	1.5130	3.2200e-003	0.0707	3.9500e-003	0.0746	0.0192	3.9100e-003	0.0231	0.0000	281.9349	281.9349	0.0101	7.4400e-003	284.4040
Maximum	0.3009	0.4580	2.2689	5.1600e-003	0.1799	6.7300e-003	0.1866	0.0642	6.6600e-003	0.0709	0.0000	459.7378	459.7378	0.0171	0.0130	464.0343

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	36.67	60.52	-11.50	0.00	30.33	72.14	34.35	36.71	72.34	44.72	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-18-2031	6-17-2031	0.5417	0.1857
2	6-18-2031	9-17-2031	0.3705	0.1510
3	9-18-2031	12-17-2031	0.3700	0.1528
4	12-18-2031	3-17-2032	0.3695	0.1524
5	3-18-2032	6-17-2032	0.3700	0.1504
6	6-18-2032	9-17-2032	0.4412	0.3155
		Highest	0.5417	0.3155

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2362	1.4000e-004	0.0159	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0310	0.0310	8.0000e-005	0.0000	0.0330
Energy	1.4500e-003	0.0132	0.0111	8.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	288.2712	288.2712	0.0255	3.3200e-003	289.8998
Mobile	0.5477	0.5279	4.1557	7.4100e-003	0.9237	5.2100e-003	0.9289	0.2468	4.8600e-003	0.2516	0.0000	686.7881	686.7881	0.0593	0.0411	700.5304
Waste						0.0000	0.0000		0.0000	0.0000	10.6570	0.0000	10.6570	0.6298	0.0000	26.4023
Water						0.0000	0.0000		0.0000	0.0000	1.3104	4.2865	5.5969	4.9100e-003	2.9000e-003	6.5830
Total	0.7853	0.5412	4.1826	7.4900e-003	0.9237	6.2700e-003	0.9299	0.2468	5.9200e-003	0.2527	11.9674	979.3768	991.3442	0.7197	0.0474	1,023.4486

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2362	1.4000e-004	0.0159	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0310	0.0310	8.0000e-005	0.0000	0.0330
Energy	1.4500e-003	0.0132	0.0111	8.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	288.2712	288.2712	0.0255	3.3200e-003	289.8998
Mobile	0.5477	0.5279	4.1557	7.4100e-003	0.9237	5.2100e-003	0.9289	0.2468	4.8600e-003	0.2516	0.0000	686.7881	686.7881	0.0593	0.0411	700.5304
Waste						0.0000	0.0000		0.0000	0.0000	10.6570	0.0000	10.6570	0.6298	0.0000	26.4023
Water						0.0000	0.0000		0.0000	0.0000	1.3104	4.2865	5.5969	4.9100e-003	2.9000e-003	6.5830
Total	0.7853	0.5412	4.1826	7.4900e-003	0.9237	6.2700e-003	0.9299	0.2468	5.9200e-003	0.2527	11.9674	979.3768	991.3442	0.7197	0.0474	1,023.4486

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/18/2031	4/9/2031	5	17	
2	Site Preparation	Site Preparation	4/10/2031	4/21/2031	5	8	
3	Grading	Grading	4/22/2031	5/27/2031	5	26	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Building Construction	Building Construction	5/27/2031	7/8/2032	5	293
5	Paving	Paving	7/9/2032	8/4/2032	5	19
6	Architectural Coating	Architectural Coating	8/5/2032	8/31/2032	5	19

Acres of Grading (Site Preparation Phase): 12

Acres of Grading (Grading Phase): 78

Acres of Paving: 10.8

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 75,000; Non-Residential Outdoor: 25,000; Striped Parking Area: 12,420 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	2	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	21.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	103.00	42.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	340.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	520.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	160.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0176	0.0831	0.1608	3.9000e-004		2.9800e-003	2.9800e-003		2.9800e-003	2.9800e-003	0.0000	33.7636	33.7636	1.4200e-003	0.0000	33.7992
Total	0.0176	0.0831	0.1608	3.9000e-004		2.9800e-003	2.9800e-003		2.9800e-003	2.9800e-003	0.0000	33.7636	33.7636	1.4200e-003	0.0000	33.7992

Innovation Park CNU Phase 3F - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.8000e-004	0.0224	5.5000e-003	9.0000e-005	2.8700e-003	1.7000e-004	3.0400e-003	7.9000e-004	1.6000e-004	9.5000e-004	0.0000	8.9415	8.9415	3.6000e-004	1.4200e-003	9.3733
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.1000e-004	1.9300e-003	1.0000e-005	9.4000e-004	0.0000	9.4000e-004	2.5000e-004	0.0000	2.5000e-004	0.0000	0.5894	0.5894	1.0000e-005	1.0000e-005	0.5940
Total	6.1000e-004	0.0225	7.4300e-003	1.0000e-004	3.8100e-003	1.7000e-004	3.9800e-003	1.0400e-003	1.6000e-004	1.2000e-003	0.0000	9.5309	9.5309	3.7000e-004	1.4300e-003	9.9673

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.9300e-003	0.0170	0.1979	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.7635	33.7635	1.4200e-003	0.0000	33.7991
Total	3.9300e-003	0.0170	0.1979	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.7635	33.7635	1.4200e-003	0.0000	33.7991

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.8000e-004	0.0224	5.5000e-003	9.0000e-005	2.8700e-003	1.7000e-004	3.0400e-003	7.9000e-004	1.6000e-004	9.5000e-004	0.0000	8.9415	8.9415	3.6000e-004	1.4200e-003	9.3733
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.1000e-004	1.9300e-003	1.0000e-005	9.4000e-004	0.0000	9.4000e-004	2.5000e-004	0.0000	2.5000e-004	0.0000	0.5894	0.5894	1.0000e-005	1.0000e-005	0.5940
Total	6.1000e-004	0.0225	7.4300e-003	1.0000e-004	3.8100e-003	1.7000e-004	3.9800e-003	1.0400e-003	1.6000e-004	1.2000e-003	0.0000	9.5309	9.5309	3.7000e-004	1.4300e-003	9.9673

3.3 Site Preparation - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0786	0.0000	0.0786	0.0404	0.0000	0.0404	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.7600e-003	0.0547	0.0652	1.9000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	16.0018	16.0018	7.9000e-004	0.0000	16.0216
Total	9.7600e-003	0.0547	0.0652	1.9000e-004	0.0786	1.7500e-003	0.0804	0.0404	1.7500e-003	0.0422	0.0000	16.0018	16.0018	7.9000e-004	0.0000	16.0216

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0105	2.5900e-003	4.0000e-005	1.3500e-003	8.0000e-005	1.4300e-003	3.7000e-004	8.0000e-005	4.5000e-004	0.0000	4.2078	4.2078	1.7000e-004	6.7000e-004	4.4110
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	6.0000e-005	1.0900e-003	0.0000	5.3000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3329	0.3329	1.0000e-005	1.0000e-005	0.3354
Total	3.1000e-004	0.0106	3.6800e-003	4.0000e-005	1.8800e-003	8.0000e-005	1.9600e-003	5.1000e-004	8.0000e-005	5.9000e-004	0.0000	4.5406	4.5406	1.8000e-004	6.8000e-004	4.7464

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0354	0.0000	0.0354	0.0182	0.0000	0.0182	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8600e-003	8.0700e-003	0.0835	1.9000e-004		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	16.0018	16.0018	7.9000e-004	0.0000	16.0216
Total	1.8600e-003	8.0700e-003	0.0835	1.9000e-004	0.0354	2.5000e-004	0.0356	0.0182	2.5000e-004	0.0184	0.0000	16.0018	16.0018	7.9000e-004	0.0000	16.0216

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0105	2.5900e-003	4.0000e-005	1.3500e-003	8.0000e-005	1.4300e-003	3.7000e-004	8.0000e-005	4.5000e-004	0.0000	4.2078	4.2078	1.7000e-004	6.7000e-004	4.4110
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	6.0000e-005	1.0900e-003	0.0000	5.3000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3329	0.3329	1.0000e-005	1.0000e-005	0.3354
Total	3.1000e-004	0.0106	3.6800e-003	4.0000e-005	1.8800e-003	8.0000e-005	1.9600e-003	5.1000e-004	8.0000e-005	5.9000e-004	0.0000	4.5406	4.5406	1.8000e-004	6.8000e-004	4.7464

3.4 Grading - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1197	0.0000	0.1197	0.0475	0.0000	0.0475	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0427	0.1800	0.2993	9.1000e-004		6.3400e-003	6.3400e-003		6.3400e-003	6.3400e-003	0.0000	85.0671	85.0671	3.4400e-003	0.0000	85.1530
Total	0.0427	0.1800	0.2993	9.1000e-004	0.1197	6.3400e-003	0.1260	0.0475	6.3400e-003	0.0538	0.0000	85.0671	85.0671	3.4400e-003	0.0000	85.1530

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.8000e-004	0.0342	8.4100e-003	1.4000e-004	4.3900e-003	2.6000e-004	4.6500e-003	1.2100e-003	2.4000e-004	1.4500e-003	0.0000	13.6753	13.6753	5.6000e-004	2.1700e-003	14.3357
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	2.3000e-004	3.9300e-003	1.0000e-005	1.9100e-003	1.0000e-005	1.9200e-003	5.1000e-004	1.0000e-005	5.1000e-004	0.0000	1.2019	1.2019	2.0000e-005	3.0000e-005	1.2113
Total	1.0400e-003	0.0345	0.0123	1.5000e-004	6.3000e-003	2.7000e-004	6.5700e-003	1.7200e-003	2.5000e-004	1.9600e-003	0.0000	14.8772	14.8772	5.8000e-004	2.2000e-003	15.5469

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0538	0.0000	0.0538	0.0214	0.0000	0.0214	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.9000e-003	0.0429	0.4290	9.1000e-004		1.3200e-003	1.3200e-003		1.3200e-003	1.3200e-003	0.0000	85.0670	85.0670	3.4400e-003	0.0000	85.1529
Total	9.9000e-003	0.0429	0.4290	9.1000e-004	0.0538	1.3200e-003	0.0552	0.0214	1.3200e-003	0.0227	0.0000	85.0670	85.0670	3.4400e-003	0.0000	85.1529

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.8000e-004	0.0342	8.4100e-003	1.4000e-004	4.3900e-003	2.6000e-004	4.6500e-003	1.2100e-003	2.4000e-004	1.4500e-003	0.0000	13.6753	13.6753	5.6000e-004	2.1700e-003	14.3357
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	2.3000e-004	3.9300e-003	1.0000e-005	1.9100e-003	1.0000e-005	1.9200e-003	5.1000e-004	1.0000e-005	5.1000e-004	0.0000	1.2019	1.2019	2.0000e-005	3.0000e-005	1.2113
Total	1.0400e-003	0.0345	0.0123	1.5000e-004	6.3000e-003	2.7000e-004	6.5700e-003	1.7200e-003	2.5000e-004	1.9600e-003	0.0000	14.8772	14.8772	5.8000e-004	2.2000e-003	15.5469

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1028	0.6229	1.2683	2.4300e-003		0.0116	0.0116		0.0116	0.0116	0.0000	206.3459	206.3459	8.2800e-003	0.0000	206.5529
Total	0.1028	0.6229	1.2683	2.4300e-003		0.0116	0.0116		0.0116	0.0116	0.0000	206.3459	206.3459	8.2800e-003	0.0000	206.5529

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3200e-003	0.1399	0.0423	5.4000e-004	0.0193	7.3000e-004	0.0200	5.5700e-003	6.9000e-004	6.2700e-003	0.0000	52.2329	52.2329	1.2700e-003	7.7700e-003	54.5795
Worker	0.0144	7.1000e-003	0.1222	4.1000e-004	0.0594	2.0000e-004	0.0596	0.0158	1.8000e-004	0.0160	0.0000	37.3781	37.3781	7.7000e-004	9.1000e-004	37.6680
Total	0.0177	0.1470	0.1645	9.5000e-004	0.0787	9.3000e-004	0.0796	0.0214	8.7000e-004	0.0223	0.0000	89.6110	89.6110	2.0400e-003	8.6800e-003	92.2475

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0257	0.1754	1.3706	2.4300e-003		3.2000e-003	3.2000e-003		3.2000e-003	3.2000e-003	0.0000	206.3457	206.3457	8.2800e-003	0.0000	206.5526
Total	0.0257	0.1754	1.3706	2.4300e-003		3.2000e-003	3.2000e-003		3.2000e-003	3.2000e-003	0.0000	206.3457	206.3457	8.2800e-003	0.0000	206.5526

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3200e-003	0.1399	0.0423	5.4000e-004	0.0193	7.3000e-004	0.0200	5.5700e-003	6.9000e-004	6.2700e-003	0.0000	52.2329	52.2329	1.2700e-003	7.7700e-003	54.5795
Worker	0.0144	7.1000e-003	0.1222	4.1000e-004	0.0594	2.0000e-004	0.0596	0.0158	1.8000e-004	0.0160	0.0000	37.3781	37.3781	7.7000e-004	9.1000e-004	37.6680
Total	0.0177	0.1470	0.1645	9.5000e-004	0.0787	9.3000e-004	0.0796	0.0214	8.7000e-004	0.0223	0.0000	89.6110	89.6110	2.0400e-003	8.6800e-003	92.2475

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0890	0.5396	1.0987	2.1100e-003		0.0101	0.0101		0.0101	0.0101	0.0000	178.7455	178.7455	7.1700e-003	0.0000	178.9248
Total	0.0890	0.5396	1.0987	2.1100e-003		0.0101	0.0101		0.0101	0.0101	0.0000	178.7455	178.7455	7.1700e-003	0.0000	178.9248

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2032

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8200e-003	0.1199	0.0364	4.6000e-004	0.0167	6.2000e-004	0.0173	4.8300e-003	5.9000e-004	5.4200e-003	0.0000	44.5693	44.5693	1.0900e-003	6.6400e-003	46.5739
Worker	0.0117	5.8300e-003	0.1025	3.5000e-004	0.0514	1.6000e-004	0.0516	0.0137	1.5000e-004	0.0138	0.0000	31.7499	31.7499	6.2000e-004	7.7000e-004	31.9939
Total	0.0145	0.1257	0.1390	8.1000e-004	0.0682	7.8000e-004	0.0689	0.0185	7.4000e-004	0.0193	0.0000	76.3192	76.3192	1.7100e-003	7.4100e-003	78.5678

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0223	0.1520	1.1873	2.1100e-003		2.7700e-003	2.7700e-003		2.7700e-003	2.7700e-003	0.0000	178.7453	178.7453	7.1700e-003	0.0000	178.9246
Total	0.0223	0.1520	1.1873	2.1100e-003		2.7700e-003	2.7700e-003		2.7700e-003	2.7700e-003	0.0000	178.7453	178.7453	7.1700e-003	0.0000	178.9246

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2032

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8200e-003	0.1199	0.0364	4.6000e-004	0.0167	6.2000e-004	0.0173	4.8300e-003	5.9000e-004	5.4200e-003	0.0000	44.5693	44.5693	1.0900e-003	6.6400e-003	46.5739
Worker	0.0117	5.8300e-003	0.1025	3.5000e-004	0.0514	1.6000e-004	0.0516	0.0137	1.5000e-004	0.0138	0.0000	31.7499	31.7499	6.2000e-004	7.7000e-004	31.9939
Total	0.0145	0.1257	0.1390	8.1000e-004	0.0682	7.8000e-004	0.0689	0.0185	7.4000e-004	0.0193	0.0000	76.3192	76.3192	1.7100e-003	7.4100e-003	78.5678

3.6 Paving - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0132	0.0676	0.1506	2.7000e-004		3.1400e-003	3.1400e-003		3.1400e-003	3.1400e-003	0.0000	22.8945	22.8945	1.0700e-003	0.0000	22.9214
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0132	0.0676	0.1506	2.7000e-004		3.1400e-003	3.1400e-003		3.1400e-003	3.1400e-003	0.0000	22.8945	22.8945	1.0700e-003	0.0000	22.9214

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2032

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.2000e-004	2.0900e-003	1.0000e-005	1.0500e-003	0.0000	1.0500e-003	2.8000e-004	0.0000	2.8000e-004	0.0000	0.6460	0.6460	1.0000e-005	2.0000e-005	0.6509
Total	2.4000e-004	1.2000e-004	2.0900e-003	1.0000e-005	1.0500e-003	0.0000	1.0500e-003	2.8000e-004	0.0000	2.8000e-004	0.0000	0.6460	0.6460	1.0000e-005	2.0000e-005	0.6509

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.6600e-003	0.0116	0.1643	2.7000e-004		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	22.8945	22.8945	1.0700e-003	0.0000	22.9213
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.6600e-003	0.0116	0.1643	2.7000e-004		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	22.8945	22.8945	1.0700e-003	0.0000	22.9213

Innovation Park CNU Phase 3F - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2032

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.2000e-004	2.0900e-003	1.0000e-005	1.0500e-003	0.0000	1.0500e-003	2.8000e-004	0.0000	2.8000e-004	0.0000	0.6460	0.6460	1.0000e-005	2.0000e-005	0.6509
Total	2.4000e-004	1.2000e-004	2.0900e-003	1.0000e-005	1.0500e-003	0.0000	1.0500e-003	2.8000e-004	0.0000	2.8000e-004	0.0000	0.6460	0.6460	1.0000e-005	2.0000e-005	0.6509

3.7 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2605					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2400e-003	8.1300e-003	0.0171	3.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	2.4256	2.4256	1.0000e-004	0.0000	2.4281
Total	0.2618	8.1300e-003	0.0171	3.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	2.4256	2.4256	1.0000e-004	0.0000	2.4281

Innovation Park CNU Phase 3F - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2032

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	1.7000e-004	2.9200e-003	1.0000e-005	1.4700e-003	0.0000	1.4700e-003	3.9000e-004	0.0000	3.9000e-004	0.0000	0.9044	0.9044	2.0000e-005	2.0000e-005	0.9113
Total	3.3000e-004	1.7000e-004	2.9200e-003	1.0000e-005	1.4700e-003	0.0000	1.4700e-003	3.9000e-004	0.0000	3.9000e-004	0.0000	0.9044	0.9044	2.0000e-005	2.0000e-005	0.9113

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2605					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8000e-004	1.2200e-003	0.0174	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.4256	2.4256	1.0000e-004	0.0000	2.4280
Total	0.2608	1.2200e-003	0.0174	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.4256	2.4256	1.0000e-004	0.0000	2.4280

Innovation Park CNU Phase 3F - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2032

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	1.7000e-004	2.9200e-003	1.0000e-005	1.4700e-003	0.0000	1.4700e-003	3.9000e-004	0.0000	3.9000e-004	0.0000	0.9044	0.9044	2.0000e-005	2.0000e-005	0.9113
Total	3.3000e-004	1.7000e-004	2.9200e-003	1.0000e-005	1.4700e-003	0.0000	1.4700e-003	3.9000e-004	0.0000	3.9000e-004	0.0000	0.9044	0.9044	2.0000e-005	2.0000e-005	0.9113

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Innovation Park - CNU Phase 1A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Innovation Park - CNU Phase 1A
Sacramento County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	730.00	1000sqft	16.76	730,000.00	0
General Light Industry	30.00	1000sqft	0.69	30,000.00	0
Enclosed Parking with Elevator	200.00	Space	1.80	80,000.00	0
Parking Lot	837.00	Space	7.53	334,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2026
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	357.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - CNU Phase 1A Construction only
- Land Use - Phase 1A: M1 and M2 + Parking
- Construction Phase - Demolition part of the PUD
- Trips and VMT - Use 7 CY Truck capacity
- Grading - Material import for 20' above grade work
- Construction Off-road Equipment Mitigation - MM Scenario of T4f + Dust BMPs
- Stationary Sources - Process Boilers -

Innovation Park - CNU Phase 1A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	48.00
tblConstructionPhase	NumDays	440.00	771.00

Innovation Park - CNU Phase 1A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	45.00	107.00
tblConstructionPhase	NumDays	35.00	61.00
tblConstructionPhase	NumDays	35.00	61.00
tblGrading	MaterialImported	0.00	114,286.00
tblTripsAndVMT	HaulingTripNumber	11,300.00	16,327.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	8.2934	119.1454	63.7729	0.3555	30.0848	3.0513	33.1361	12.9458	2.8466	15.7923	0.0000	37,598.64 43	37,598.64 43	2.9735	4.5000	39,013.97 07
2023	3.2454	24.0011	30.4415	0.0929	4.3577	0.7661	5.1238	1.1822	0.7213	1.9034	0.0000	9,451.946 0	9,451.946 0	0.7874	0.6516	9,665.816 2
2024	3.0392	22.8080	29.4405	0.0913	4.3576	0.6781	5.0357	1.1821	0.6383	1.8204	0.0000	9,280.152 4	9,280.152 4	0.7732	0.6368	9,489.255 1
2025	117.8048	21.5934	28.5710	0.0896	4.3575	0.5906	4.9481	1.1821	0.5561	1.7381	0.0000	9,105.367 5	9,105.367 5	0.7608	0.6219	9,309.720 2
Maximum	117.8048	119.1454	63.7729	0.3555	30.0848	3.0513	33.1361	12.9458	2.8466	15.7923	0.0000	37,598.64 43	37,598.64 43	2.9735	4.5000	39,013.97 07

Innovation Park - CNU Phase 1A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	18.3896	1.6600e-003	0.1830	1.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004		0.3933	0.3933	1.0200e-003		0.4189
Energy	1.4753	13.4121	11.2662	0.0805		1.0193	1.0193		1.0193	1.0193		16,094.5367	16,094.5367	0.3085	0.2951	16,190.1785
Mobile	23.7775	21.9089	185.7007	0.3912	41.4773	0.2838	41.7611	11.0557	0.2650	11.3208		39,906.5188	39,906.5188	2.4667	1.7931	40,502.5302
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	43.6424	35.3226	197.1499	0.4717	41.4773	1.3038	42.7811	11.0557	1.2850	12.3407		56,001.4488	56,001.4488	2.7762	2.0882	56,693.1275

Innovation Park - CNU Phase 1A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	18.3896	1.6600e-003	0.1830	1.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004		0.3933	0.3933	1.0200e-003		0.4189
Energy	1.4753	13.4121	11.2662	0.0805		1.0193	1.0193		1.0193	1.0193		16,094.5367	16,094.5367	0.3085	0.2951	16,190.1785
Mobile	23.7775	21.9089	185.7007	0.3912	41.4773	0.2838	41.7611	11.0557	0.2650	11.3208		39,906.5188	39,906.5188	2.4667	1.7931	40,502.5302
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	43.6424	35.3226	197.1499	0.4717	41.4773	1.3038	42.7811	11.0557	1.2850	12.3407		56,001.4488	56,001.4488	2.7762	2.0882	56,693.1275

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	2/1/2022	4/7/2022	5	48	
2	Building Construction	Building Construction	4/1/2022	3/14/2025	5	771	
3	Grading	Grading	4/8/2022	9/5/2022	5	107	
4	Paving	Paving	3/17/2025	6/9/2025	5	61	

Innovation Park - CNU Phase 1A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5	Architectural Coating	Architectural Coating	6/10/2025	9/2/2025	5	61
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Acres of Grading (Site Preparation Phase): 72

Acres of Grading (Grading Phase): 321

Acres of Paving: 9.33

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,140,000; Non-Residential Outdoor: 380,000; Striped Parking Area: 24,888 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Innovation Park - CNU Phase 1A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	16,327.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	420.00	193.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	84.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860		3,686.0619	3,686.0619	1.1922		3,715.8655

Innovation Park - CNU Phase 1A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4130	59.1323	11.6104	0.2210	5.9330	0.5096	6.4426	1.6248	0.4875	2.1123		24,093.8802	24,093.8802	0.9676	3.8191	25,256.1750
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0652	0.0329	0.5316	1.2900e-003	0.1369	7.4000e-004	0.1377	0.0363	6.8000e-004	0.0370		130.6898	130.6898	3.9000e-003	3.4000e-003	131.8004
Total	1.4782	59.1652	12.1420	0.2223	6.0699	0.5103	6.5802	1.6611	0.4882	2.1493		24,224.5700	24,224.5700	0.9715	3.8225	25,387.9754

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	0.4656	2.0175	20.8690	0.0380	8.8457	0.0621	8.9077	4.5461	0.0621	4.6082	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

Innovation Park - CNU Phase 1A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4130	59.1323	11.6104	0.2210	5.9330	0.5096	6.4426	1.6248	0.4875	2.1123		24,093.8802	24,093.8802	0.9676	3.8191	25,256.1750
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0652	0.0329	0.5316	1.2900e-003	0.1369	7.4000e-004	0.1377	0.0363	6.8000e-004	0.0370		130.6898	130.6898	3.9000e-003	3.4000e-003	131.8004
Total	1.4782	59.1652	12.1420	0.2223	6.0699	0.5103	6.5802	1.6611	0.4882	2.1493		24,224.5700	24,224.5700	0.9715	3.8225	25,387.9754

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Innovation Park - CNU Phase 1A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4176	10.5129	3.1652	0.0381	1.1629	0.1021	1.2650	0.3347	0.0977	0.4324		4,084.249 4	4,084.249 4	0.1068	0.5981	4,265.155 5
Worker	1.5213	0.7682	12.4045	0.0302	3.1949	0.0173	3.2123	0.8475	0.0159	0.8634		3,049.429 4	3,049.429 4	0.0911	0.0793	3,075.342 1
Total	1.9389	11.2811	15.5697	0.0683	4.3579	0.1194	4.4773	1.1822	0.1136	1.2958		7,133.678 8	7,133.678 8	0.1979	0.6774	7,340.497 5

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2

Innovation Park - CNU Phase 1A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4176	10.5129	3.1652	0.0381	1.1629	0.1021	1.2650	0.3347	0.0977	0.4324		4,084.249 4	4,084.249 4	0.1068	0.5981	4,265.155 5
Worker	1.5213	0.7682	12.4045	0.0302	3.1949	0.0173	3.2123	0.8475	0.0159	0.8634		3,049.429 4	3,049.429 4	0.0911	0.0793	3,075.342 1
Total	1.9389	11.2811	15.5697	0.0683	4.3579	0.1194	4.4773	1.1822	0.1136	1.2958		7,133.678 8	7,133.678 8	0.1979	0.6774	7,340.497 5

3.3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.209 9	2,555.209 9	0.6079		2,570.406 1
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.209 9	2,555.209 9	0.6079		2,570.406 1

Innovation Park - CNU Phase 1A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2582	8.9367	2.7821	0.0368	1.1628	0.0499	1.2127	0.3347	0.0477	0.3824		3,944.615 3	3,944.615 3	0.0975	0.5782	4,119.363 4
Worker	1.4144	0.6795	11.4154	0.0292	3.1949	0.0164	3.2114	0.8475	0.0151	0.8626		2,952.120 7	2,952.120 7	0.0820	0.0734	2,976.046 7
Total	1.6726	9.6162	14.1975	0.0660	4.3577	0.0663	4.4240	1.1822	0.0629	1.2450		6,896.736 1	6,896.736 1	0.1795	0.6516	7,095.410 2

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.209 9	2,555.209 9	0.6079		2,570.406 1
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.209 9	2,555.209 9	0.6079		2,570.406 1

Innovation Park - CNU Phase 1A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2582	8.9367	2.7821	0.0368	1.1628	0.0499	1.2127	0.3347	0.0477	0.3824		3,944.615 3	3,944.615 3	0.0975	0.5782	4,119.363 4
Worker	1.4144	0.6795	11.4154	0.0292	3.1949	0.0164	3.2114	0.8475	0.0151	0.8626		2,952.120 7	2,952.120 7	0.0820	0.0734	2,976.046 7
Total	1.6726	9.6162	14.1975	0.0660	4.3577	0.0663	4.4240	1.1822	0.0629	1.2450		6,896.736 1	6,896.736 1	0.1795	0.6516	7,095.410 2

3.3 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.698 9	2,555.698 9	0.6044		2,570.807 7
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.698 9	2,555.698 9	0.6044		2,570.807 7

Innovation Park - CNU Phase 1A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2470	8.7592	2.6948	0.0361	1.1626	0.0492	1.2118	0.3346	0.0470	0.3817		3,869.4906	3,869.4906	0.0948	0.5685	4,041.2823
Worker	1.3206	0.6051	10.5789	0.0283	3.1949	0.0156	3.2105	0.8475	0.0144	0.8619		2,854.9629	2,854.9629	0.0741	0.0683	2,877.1651
Total	1.5676	9.3643	13.2737	0.0643	4.3576	0.0648	4.4224	1.1821	0.0614	1.2435		6,724.4535	6,724.4535	0.1688	0.6368	6,918.4474

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Innovation Park - CNU Phase 1A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2470	8.7592	2.6948	0.0361	1.1626	0.0492	1.2118	0.3346	0.0470	0.3817		3,869.4906	3,869.4906	0.0948	0.5685	4,041.2823
Worker	1.3206	0.6051	10.5789	0.0283	3.1949	0.0156	3.2105	0.8475	0.0144	0.8619		2,854.9629	2,854.9629	0.0741	0.0683	2,877.1651
Total	1.5676	9.3643	13.2737	0.0643	4.3576	0.0648	4.4224	1.1821	0.0614	1.2435		6,724.4535	6,724.4535	0.1688	0.6368	6,918.4474

3.3 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Innovation Park - CNU Phase 1A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2382	8.5809	2.6316	0.0353	1.1625	0.0482	1.2107	0.3346	0.0461	0.3807		3,791.027 0	3,791.027 0	0.0928	0.5581	3,959.648 6
Worker	1.2391	0.5429	9.8548	0.0273	3.1949	0.0149	3.2098	0.8475	0.0137	0.8612		2,757.866 1	2,757.866 1	0.0671	0.0639	2,778.573 5
Total	1.4772	9.1238	12.4864	0.0626	4.3575	0.0631	4.4205	1.1821	0.0598	1.2419		6,548.893 1	6,548.893 1	0.1599	0.6219	6,738.222 2

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Innovation Park - CNU Phase 1A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2382	8.5809	2.6316	0.0353	1.1625	0.0482	1.2107	0.3346	0.0461	0.3807		3,791.027 0	3,791.027 0	0.0928	0.5581	3,959.648 6
Worker	1.2391	0.5429	9.8548	0.0273	3.1949	0.0149	3.2098	0.8475	0.0137	0.8612		2,757.866 1	2,757.866 1	0.0671	0.0639	2,778.573 5
Total	1.4772	9.1238	12.4864	0.0626	4.3575	0.0631	4.4205	1.1821	0.0598	1.2419		6,548.893 1	6,548.893 1	0.1599	0.6219	6,738.222 2

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.410 5	6,011.410 5	1.9442		6,060.015 8
Total	3.6248	38.8435	29.0415	0.0621	9.2036	1.6349	10.8385	3.6538	1.5041	5.1579		6,011.410 5	6,011.410 5	1.9442		6,060.015 8

Innovation Park - CNU Phase 1A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0724	0.0366	0.5907	1.4400e-003	0.1521	8.2000e-004	0.1530	0.0404	7.6000e-004	0.0411		145.2109	145.2109	4.3400e-003	3.7800e-003	146.4449
Total	0.0724	0.0366	0.5907	1.4400e-003	0.1521	8.2000e-004	0.1530	0.0404	7.6000e-004	0.0411		145.2109	145.2109	4.3400e-003	3.7800e-003	146.4449

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1416	0.0000	4.1416	1.6442	0.0000	1.6442			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0621		0.1015	0.1015		0.1015	0.1015	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	0.7616	3.3000	32.9991	0.0621	4.1416	0.1015	4.2432	1.6442	0.1015	1.7457	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

Innovation Park - CNU Phase 1A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0724	0.0366	0.5907	1.4400e-003	0.1521	8.2000e-004	0.1530	0.0404	7.6000e-004	0.0411		145.2109	145.2109	4.3400e-003	3.7800e-003	146.4449
Total	0.0724	0.0366	0.5907	1.4400e-003	0.1521	8.2000e-004	0.1530	0.0404	7.6000e-004	0.0411		145.2109	145.2109	4.3400e-003	3.7800e-003	146.4449

3.5 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3234					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2386	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Innovation Park - CNU Phase 1A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0443	0.0194	0.3520	9.7000e-004	0.1141	5.3000e-004	0.1146	0.0303	4.9000e-004	0.0308		98.4952	98.4952	2.4000e-003	2.2800e-003	99.2348
Total	0.0443	0.0194	0.3520	9.7000e-004	0.1141	5.3000e-004	0.1146	0.0303	4.9000e-004	0.0308		98.4952	98.4952	2.4000e-003	2.2800e-003	99.2348

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.3234					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6039	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Innovation Park - CNU Phase 1A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0443	0.0194	0.3520	9.7000e-004	0.1141	5.3000e-004	0.1146	0.0303	4.9000e-004	0.0308		98.4952	98.4952	2.4000e-003	2.2800e-003	99.2348
Total	0.0443	0.0194	0.3520	9.7000e-004	0.1141	5.3000e-004	0.1146	0.0303	4.9000e-004	0.0308		98.4952	98.4952	2.4000e-003	2.2800e-003	99.2348

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	117.3862					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	117.5570	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Innovation Park - CNU Phase 1A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2478	0.1086	1.9710	5.4600e-003	0.6390	2.9800e-003	0.6420	0.1695	2.7400e-003	0.1722		551.5732	551.5732	0.0134	0.0128	555.7147
Total	0.2478	0.1086	1.9710	5.4600e-003	0.6390	2.9800e-003	0.6420	0.1695	2.7400e-003	0.1722		551.5732	551.5732	0.0134	0.0128	555.7147

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	117.3862					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
Total	117.4159	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319

Innovation Park - CNU Phase 1A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2478	0.1086	1.9710	5.4600e-003	0.6390	2.9800e-003	0.6420	0.1695	2.7400e-003	0.1722		551.5732	551.5732	0.0134	0.0128	555.7147
Total	0.2478	0.1086	1.9710	5.4600e-003	0.6390	2.9800e-003	0.6420	0.1695	2.7400e-003	0.1722		551.5732	551.5732	0.0134	0.0128	555.7147

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Innovation Park - CNU Phase 1B

Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	200.00	1000sqft	4.59	200,000.00	0
University/College (4yr)	2,000.00	Student	8.44	216,000.00	0
General Light Industry	40.00	1000sqft	0.92	40,000.00	0
Enclosed Parking with Elevator	233.00	Space	2.10	93,200.00	0
Parking Lot	661.00	Space	5.95	264,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2026
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	357.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CNU Phasw 1B Construction ONLY

Land Use - U1, C2, C4 + parking

Construction Phase - Demolition part of PUD

Grading - material import for 20' above grade work

Construction Off-road Equipment Mitigation - MM Tier 4f Scenario + Fugitive dust BMPs

Trips and VMT - Truck capacity = 7 CY

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	370.00	450.00

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	35.00	52.00
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	10.00	15.00
tblLandUse	LandUseSquareFeet	367,594.94	216,000.00
tblTripsAndVMT	HaulingTripNumber	3,531.00	5,102.00

2.0 Emissions Summary

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.6430	78.6788	29.5249	0.2527	25.7252	1.6610	27.3862	11.7629	1.5426	13.3055	0.0000	27,103.0203	27,103.0203	2.1248	3.6957	28,257.4585
2024	2.6543	19.9438	26.1343	0.0735	3.2507	0.6592	3.9098	0.8803	0.6203	1.5007	0.0000	7,411.0439	7,411.0439	0.7264	0.4441	7,561.5594
2025	173.4224	18.7991	25.4535	0.0722	3.2506	0.5722	3.8227	0.8803	0.5385	1.4189	0.0000	7,283.3078	7,283.3078	0.7163	0.4335	7,430.4076
Maximum	173.4224	78.6788	29.5249	0.2527	25.7252	1.6610	27.3862	11.7629	1.5426	13.3055	0.0000	27,103.0203	27,103.0203	2.1248	3.6957	28,257.4585

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.5901	53.1721	33.5427	0.2527	14.9138	0.4570	15.3709	6.2066	0.4399	6.6465	0.0000	27,103.0203	27,103.0203	2.1248	3.6957	28,257.4585
2024	1.5105	8.7347	27.4278	0.0735	3.2507	0.0866	3.3373	0.8803	0.0842	0.9646	0.0000	7,411.0439	7,411.0439	0.7264	0.4441	7,561.5594
2025	173.2813	8.5642	26.8291	0.0722	3.2506	0.0854	3.3360	0.8803	0.0831	0.9634	0.0000	7,283.3078	7,283.3078	0.7163	0.4335	7,430.4076
Maximum	173.2813	53.1721	33.5427	0.2527	14.9138	0.4570	15.3709	6.2066	0.4399	6.6465	0.0000	27,103.0203	27,103.0203	2.1248	3.6957	28,257.4585

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.86	39.98	-8.24	0.00	33.55	78.25	37.23	41.09	77.52	47.15	0.00	0.00	0.00	0.00	0.00	0.00

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	11.0998	2.8900e-003	0.3192	2.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003		0.6859	0.6859	1.7800e-003		0.7305
Energy	0.6034	5.4855	4.6078	0.0329		0.4169	0.4169		0.4169	0.4169		6,582.588 2	6,582.588 2	0.1262	0.1207	6,621.705 3
Mobile	15.4781	13.3837	112.4085	0.2306	24.3337	0.1695	24.5032	6.4861	0.1582	6.6443		23,524.85 38	23,524.85 38	1.5224	1.0946	23,889.09 12
Total	27.1813	18.8720	117.3355	0.2636	24.3337	0.5875	24.9212	6.4861	0.5763	7.0624		30,108.12 80	30,108.12 80	1.6503	1.2152	30,511.52 69

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	11.0998	2.8900e-003	0.3192	2.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003		0.6859	0.6859	1.7800e-003		0.7305
Energy	0.6034	5.4855	4.6078	0.0329		0.4169	0.4169		0.4169	0.4169		6,582.588 2	6,582.588 2	0.1262	0.1207	6,621.705 3
Mobile	15.4781	13.3837	112.4085	0.2306	24.3337	0.1695	24.5032	6.4861	0.1582	6.6443		23,524.85 38	23,524.85 38	1.5224	1.0946	23,889.09 12
Total	27.1813	18.8720	117.3355	0.2636	24.3337	0.5875	24.9212	6.4861	0.5763	7.0624		30,108.12 80	30,108.12 80	1.6503	1.2152	30,511.52 69

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2023	6/21/2023	5	15	
2	Grading	Grading	6/22/2023	9/1/2023	5	52	
3	Building Construction	Building Construction	9/4/2023	5/23/2025	5	450	
4	Paving	Paving	5/26/2025	6/27/2025	5	25	
5	Architectural Coating	Architectural Coating	6/30/2025	8/1/2025	5	25	

Acres of Grading (Site Preparation Phase): 22.5

Acres of Grading (Grading Phase): 156

Acres of Paving: 8.05

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 684,000; Non-Residential Outdoor: 228,000; Striped Parking Area: 21,456 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	5,102.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	322.00	133.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	64.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.9229	51.1255	10.7913	0.2134	5.9312	0.3942	6.3255	1.6242	0.3772	2.0014		23,289.19 28	23,289.19 28	0.9287	3.6926	24,412.79 17
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0606	0.0291	0.4892	1.2500e-003	0.1369	7.0000e-004	0.1376	0.0363	6.5000e-004	0.0370		126.5195	126.5195	3.5200e-003	3.1500e-003	127.5449
Total	0.9836	51.1547	11.2806	0.2146	6.0682	0.3949	6.4631	1.6605	0.3778	2.0383		23,415.71 22	23,415.71 22	0.9322	3.6957	24,540.33 66

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0381		0.0621	0.0621		0.0621	0.0621	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	0.4656	2.0175	20.8690	0.0381	8.8457	0.0621	8.9077	4.5461	0.0621	4.6082	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.9229	51.1255	10.7913	0.2134	5.9312	0.3942	6.3255	1.6242	0.3772	2.0014			23,289.19 28	23,289.19 28	0.9287	3.6926	24,412.79 17
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0606	0.0291	0.4892	1.2500e-003	0.1369	7.0000e-004	0.1376	0.0363	6.5000e-004	0.0370			126.5195	126.5195	3.5200e-003	3.1500e-003	127.5449
Total	0.9836	51.1547	11.2806	0.2146	6.0682	0.3949	6.4631	1.6605	0.3778	2.0383			23,415.71 22	23,415.71 22	0.9322	3.6957	24,540.33 66

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	9.2036	1.4245	10.6281	3.6538	1.3105	4.9643		6,011.4777	6,011.4777	1.9442		6,060.0836

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0674	0.0324	0.5436	1.3900e-003	0.1521	7.8000e-004	0.1529	0.0404	7.2000e-004	0.0411		140.5772	140.5772	3.9100e-003	3.5000e-003	141.7165
Total	0.0674	0.0324	0.5436	1.3900e-003	0.1521	7.8000e-004	0.1529	0.0404	7.2000e-004	0.0411		140.5772	140.5772	3.9100e-003	3.5000e-003	141.7165

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1416	0.0000	4.1416	1.6442	0.0000	1.6442			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0621		0.1015	0.1015		0.1015	0.1015	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	0.7616	3.3000	32.9991	0.0621	4.1416	0.1015	4.2432	1.6442	0.1015	1.7457	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0674	0.0324	0.5436	1.3900e-003	0.1521	7.8000e-004	0.1529	0.0404	7.2000e-004	0.0411		140.5772	140.5772	3.9100e-003	3.5000e-003	141.7165
Total	0.0674	0.0324	0.5436	1.3900e-003	0.1521	7.8000e-004	0.1529	0.0404	7.2000e-004	0.0411		140.5772	140.5772	3.9100e-003	3.5000e-003	141.7165

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1780	6.1584	1.9172	0.0253	0.8013	0.0344	0.8357	0.2306	0.0329	0.2635		2,718.3100	2,718.3100	0.0672	0.3985	2,838.7323
Worker	1.0844	0.5210	8.7518	0.0224	2.4495	0.0126	2.4620	0.6497	0.0116	0.6613		2,263.2926	2,263.2926	0.0629	0.0563	2,281.6358
Total	1.2623	6.6794	10.6690	0.0477	3.2507	0.0470	3.2977	0.8804	0.0445	0.9249		4,981.6026	4,981.6026	0.1301	0.4548	5,120.3682

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1780	6.1584	1.9172	0.0253	0.8013	0.0344	0.8357	0.2306	0.0329	0.2635		2,718.3100	2,718.3100	0.0672	0.3985	2,838.7323
Worker	1.0844	0.5210	8.7518	0.0224	2.4495	0.0126	2.4620	0.6497	0.0116	0.6613		2,263.2926	2,263.2926	0.0629	0.0563	2,281.6358
Total	1.2623	6.6794	10.6690	0.0477	3.2507	0.0470	3.2977	0.8804	0.0445	0.9249		4,981.6026	4,981.6026	0.1301	0.4548	5,120.3682

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1702	6.0361	1.8570	0.0249	0.8012	0.0339	0.8351	0.2306	0.0324	0.2630		2,666.5401	2,666.5401	0.0653	0.3918	2,784.9251
Worker	1.0125	0.4639	8.1105	0.0217	2.4495	0.0120	2.4614	0.6497	0.0110	0.6608		2,188.8049	2,188.8049	0.0568	0.0524	2,205.8266
Total	1.1827	6.5000	9.9675	0.0465	3.2507	0.0459	3.2965	0.8803	0.0434	0.9238		4,855.3450	4,855.3450	0.1221	0.4441	4,990.7517

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1702	6.0361	1.8570	0.0249	0.8012	0.0339	0.8351	0.2306	0.0324	0.2630		2,666.5401	2,666.5401	0.0653	0.3918	2,784.9251
Worker	1.0125	0.4639	8.1105	0.0217	2.4495	0.0120	2.4614	0.6497	0.0110	0.6608		2,188.8049	2,188.8049	0.0568	0.0524	2,205.8266
Total	1.1827	6.5000	9.9675	0.0465	3.2507	0.0459	3.2965	0.8803	0.0434	0.9238		4,855.3450	4,855.3450	0.1221	0.4441	4,990.7517

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1641	5.9133	1.8135	0.0243	0.8011	0.0332	0.8343	0.2306	0.0318	0.2623		2,612.469 4	2,612.469 4	0.0639	0.3846	2,728.669 8
Worker	0.9499	0.4162	7.5554	0.0209	2.4495	0.0114	2.4609	0.6497	0.0105	0.6603		2,114.364 0	2,114.364 0	0.0514	0.0490	2,130.239 7
Total	1.1141	6.3295	9.3688	0.0453	3.2506	0.0446	3.2952	0.8803	0.0423	0.9226		4,726.833 4	4,726.833 4	0.1154	0.4335	4,858.909 5

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1641	5.9133	1.8135	0.0243	0.8011	0.0332	0.8343	0.2306	0.0318	0.2623		2,612.469 4	2,612.469 4	0.0639	0.3846	2,728.669 8
Worker	0.9499	0.4162	7.5554	0.0209	2.4495	0.0114	2.4609	0.6497	0.0105	0.6603		2,114.364 0	2,114.364 0	0.0514	0.0490	2,130.239 7
Total	1.1141	6.3295	9.3688	0.0453	3.2506	0.0446	3.2952	0.8803	0.0423	0.9226		4,726.833 4	4,726.833 4	0.1154	0.4335	4,858.909 5

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.6236					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5387	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0443	0.0194	0.3520	9.7000e-004	0.1141	5.3000e-004	0.1146	0.0303	4.9000e-004	0.0308		98.4952	98.4952	2.4000e-003	2.2800e-003	99.2348
Total	0.0443	0.0194	0.3520	9.7000e-004	0.1141	5.3000e-004	0.1146	0.0303	4.9000e-004	0.0308		98.4952	98.4952	2.4000e-003	2.2800e-003	99.2348

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.6236					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9040	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0443	0.0194	0.3520	9.7000e-004	0.1141	5.3000e-004	0.1146	0.0303	4.9000e-004	0.0308		98.4952	98.4952	2.4000e-003	2.2800e-003	99.2348
Total	0.0443	0.0194	0.3520	9.7000e-004	0.1141	5.3000e-004	0.1146	0.0303	4.9000e-004	0.0308		98.4952	98.4952	2.4000e-003	2.2800e-003	99.2348

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	173.0627					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	173.2336	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1888	0.0827	1.5017	4.1600e-003	0.4869	2.2700e-003	0.4891	0.1291	2.0900e-003	0.1312		420.2463	420.2463	0.0102	9.7300e-003	423.4017
Total	0.1888	0.0827	1.5017	4.1600e-003	0.4869	2.2700e-003	0.4891	0.1291	2.0900e-003	0.1312		420.2463	420.2463	0.0102	9.7300e-003	423.4017

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	173.0627					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
Total	173.0925	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1888	0.0827	1.5017	4.1600e-003	0.4869	2.2700e-003	0.4891	0.1291	2.0900e-003	0.1312		420.2463	420.2463	0.0102	9.7300e-003	423.4017
Total	0.1888	0.0827	1.5017	4.1600e-003	0.4869	2.2700e-003	0.4891	0.1291	2.0900e-003	0.1312		420.2463	420.2463	0.0102	9.7300e-003	423.4017

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	15.4781	13.3837	112.4085	0.2306	24.3337	0.1695	24.5032	6.4861	0.1582	6.6443		23,524.8538	23,524.8538	1.5224	1.0946	23,889.0912
Unmitigated	15.4781	13.3837	112.4085	0.2306	24.3337	0.1695	24.5032	6.4861	0.1582	6.6443		23,524.8538	23,524.8538	1.5224	1.0946	23,889.0912

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Light Industry	198.40	79.60	200.00	502,418	502,418
Hospital	2,144.00	1,544.00	1354.00	4,788,433	4,788,433
Parking Lot	0.00	0.00	0.00		
University/College (4yr)	3,120.00	2,600.00	0.00	4,761,185	4,761,185
Total	5,462.40	4,223.60	1,554.00	10,052,036	10,052,036

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
General Light Industry	10.00	5.00	6.50	59.00	28.00	13.00	92	5	3

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hospital	10.00	5.00	6.50	64.90	16.10	19.00	73	25	2
Parking Lot	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
University/College (4yr)	10.00	5.00	6.50	6.40	88.60	5.00	91	9	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.550065	0.056538	0.183073	0.126916	0.023794	0.005777	0.013314	0.009484	0.000878	0.000597	0.025554	0.000937	0.003071
General Light Industry	0.550065	0.056538	0.183073	0.126916	0.023794	0.005777	0.013314	0.009484	0.000878	0.000597	0.025554	0.000937	0.003071
Hospital	0.550065	0.056538	0.183073	0.126916	0.023794	0.005777	0.013314	0.009484	0.000878	0.000597	0.025554	0.000937	0.003071
Parking Lot	0.550065	0.056538	0.183073	0.126916	0.023794	0.005777	0.013314	0.009484	0.000878	0.000597	0.025554	0.000937	0.003071
University/College (4yr)	0.550065	0.056538	0.183073	0.126916	0.023794	0.005777	0.013314	0.009484	0.000878	0.000597	0.025554	0.000937	0.003071

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Natural Gas Mitigated	0.6034	5.4855	4.6078	0.0329		0.4169	0.4169		0.4169	0.4169		6,582.5882	6,582.5882	0.1262	0.1207	6,621.7053
Natural Gas Unmitigated	0.6034	5.4855	4.6078	0.0329		0.4169	0.4169		0.4169	0.4169		6,582.5882	6,582.5882	0.1262	0.1207	6,621.7053

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	3898.08	0.0420	0.3822	0.3210	2.2900e-003		0.0290	0.0290		0.0290	0.0290		458.5979	458.5979	8.7900e-003	8.4100e-003	461.3231
Hospital	36679.5	0.3956	3.5960	3.0207	0.0216		0.2733	0.2733		0.2733	0.2733		4,315.2297	4,315.2297	0.0827	0.0791	4,340.8729
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
University/College (4yr)	15374.5	0.1658	1.5073	1.2661	9.0400e-003		0.1146	0.1146		0.1146	0.1146		1,808.7607	1,808.7607	0.0347	0.0332	1,819.5092
Total		0.6034	5.4855	4.6078	0.0329		0.4169	0.4169		0.4169	0.4169		6,582.5882	6,582.5882	0.1262	0.1207	6,621.7053

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	3.89808	0.0420	0.3822	0.3210	2.2900e-003		0.0290	0.0290		0.0290	0.0290		458.5979	458.5979	8.7900e-003	8.4100e-003	461.3231
Hospital	36.6795	0.3956	3.5960	3.0207	0.0216		0.2733	0.2733		0.2733	0.2733		4,315.2297	4,315.2297	0.0827	0.0791	4,340.8729
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
University/College (4yr)	15.3745	0.1658	1.5073	1.2661	9.0400e-003		0.1146	0.1146		0.1146	0.1146		1,808.7607	1,808.7607	0.0347	0.0332	1,819.5092
Total		0.6034	5.4855	4.6078	0.0329		0.4169	0.4169		0.4169	0.4169		6,582.5882	6,582.5882	0.1262	0.1207	6,621.7053

6.0 Area Detail

6.1 Mitigation Measures Area

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	11.0998	2.8900e-003	0.3192	2.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003		0.6859	0.6859	1.7800e-003		0.7305
Unmitigated	11.0998	2.8900e-003	0.3192	2.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003		0.6859	0.6859	1.7800e-003		0.7305

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1854					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.8851					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0294	2.8900e-003	0.3192	2.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003		0.6859	0.6859	1.7800e-003		0.7305
Total	11.0998	2.8900e-003	0.3192	2.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003		0.6859	0.6859	1.7800e-003		0.7305

Innovation Park - CNU Phase 1B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1854					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.8851					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0294	2.8900e-003	0.3192	2.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003		0.6859	0.6859	1.7800e-003		0.7305
Total	11.0998	2.8900e-003	0.3192	2.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003		0.6859	0.6859	1.7800e-003		0.7305

7.0 Water Detail

7.1 Mitigation Measures Water

Innovation Park - CNU - Phase 2A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Innovation Park - CNU - Phase 2A

Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	325.00	1000sqft	7.46	325,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2029
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	357.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Ambulatory Care Building and Medical Building Construction ONLY

Land Use - Med bldg + care bldg

Construction Phase - schedule

Trips and VMT - 15 truck per day for site prep, demo, grade

Grading -

Construction Off-road Equipment Mitigation - Tier 4 MM scenario + dust BMPs

Fleet Mix -

Area Coating -

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Innovation Park - CNU - Phase 2A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	34.00
tblConstructionPhase	NumDays	230.00	383.00
tblConstructionPhase	NumDays	20.00	16.00
tblConstructionPhase	NumDays	20.00	16.00

Innovation Park - CNU - Phase 2A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	20.00	34.00
tblConstructionPhase	NumDays	10.00	9.00
tblTripsAndVMT	HaulingTripNumber	0.00	240.00
tblTripsAndVMT	HaulingTripNumber	0.00	135.00
tblTripsAndVMT	HaulingTripNumber	0.00	240.00

2.0 Emissions Summary

Innovation Park - CNU - Phase 2A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	3.3003	32.2028	34.2764	0.0818	20.0553	1.1836	21.1587	10.2103	1.1008	11.2260	0.0000	8,105.613 3	8,105.613 3	1.6083	0.3134	8,239.195 5
2028	1.6846	14.8002	18.8280	0.0422	1.1103	0.5430	1.6533	0.3017	0.5109	0.8126	0.0000	4,157.435 9	4,157.435 9	0.6375	0.1582	4,220.522 6
2029	88.8303	14.7588	18.7280	0.0419	1.1103	0.5426	1.6528	0.3017	0.5105	0.8122	0.0000	4,122.136 8	4,122.136 8	0.7154	0.1551	4,184.243 0
Maximum	88.8303	32.2028	34.2764	0.0818	20.0553	1.1836	21.1587	10.2103	1.1008	11.2260	0.0000	8,105.613 3	8,105.613 3	1.6083	0.3134	8,239.195 5

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	1.1013	8.2267	38.8645	0.0818	9.2439	0.1217	9.3226	4.6540	0.1201	4.7319	0.0000	8,105.613 2	8,105.613 2	1.6083	0.3134	8,239.195 5
2028	0.6450	4.5652	20.2036	0.0422	1.1103	0.0563	1.1665	0.3017	0.0555	0.3572	0.0000	4,157.435 9	4,157.435 9	0.6375	0.1582	4,220.522 6
2029	88.6891	4.5238	20.1036	0.0419	1.1103	0.0558	1.1661	0.3017	0.0550	0.3567	0.0000	4,122.136 8	4,122.136 8	0.7154	0.1551	4,184.243 0
Maximum	88.6891	8.2267	38.8645	0.0818	9.2439	0.1217	9.3226	4.6540	0.1201	4.7319	0.0000	8,105.613 2	8,105.613 2	1.6083	0.3134	8,239.195 5

Innovation Park - CNU - Phase 2A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.7835	3.0000e-004	0.0331	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0711	0.0711	1.9000e-004		0.0758
Energy	0.6428	5.8435	4.9086	0.0351		0.4441	0.4441		0.4441	0.4441		7,012.2482	7,012.2482	0.1344	0.1286	7,053.9185
Mobile	9.2958	8.1988	72.6705	0.1561	18.0683	0.1050	18.1733	4.8148	0.0980	4.9128		15,932.2679	15,932.2679	0.9800	0.7120	16,168.9281
Total	17.7220	14.0427	77.6122	0.1911	18.0683	0.5492	18.6175	4.8148	0.5422	5.3570		22,944.5872	22,944.5872	1.1146	0.8405	23,222.9223

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.7835	3.0000e-004	0.0331	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0711	0.0711	1.9000e-004		0.0758
Energy	0.6428	5.8435	4.9086	0.0351		0.4441	0.4441		0.4441	0.4441		7,012.2482	7,012.2482	0.1344	0.1286	7,053.9185
Mobile	9.2958	8.1988	72.6705	0.1561	18.0683	0.1050	18.1733	4.8148	0.0980	4.9128		15,932.2679	15,932.2679	0.9800	0.7120	16,168.9281
Total	17.7220	14.0427	77.6122	0.1911	18.0683	0.5492	18.6175	4.8148	0.5422	5.3570		22,944.5872	22,944.5872	1.1146	0.8405	23,222.9223

Innovation Park - CNU - Phase 2A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/15/2027	11/5/2027	5	16	
2	Site Preparation	Site Preparation	11/8/2027	11/18/2027	5	9	
3	Grading	Grading	11/19/2027	12/10/2027	5	16	
4	Building Construction	Building Construction	12/10/2027	5/29/2029	5	383	
5	Paving	Paving	5/30/2029	7/16/2029	5	34	
6	Architectural Coating	Architectural Coating	7/17/2029	8/31/2029	5	34	

Acres of Grading (Site Preparation Phase): 13.5

Acres of Grading (Grading Phase): 16

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 487,500; Non-Residential Outdoor: 162,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Innovation Park - CNU - Phase 2A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	240.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	135.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	240.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	104.00	53.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	21.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Innovation Park - CNU - Phase 2A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0371	2.0264	0.4804	8.6300e-003	0.2613	0.0160	0.2774	0.0715	0.0154	0.0869		943.5340	943.5340	0.0378	0.1497	989.0737
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0393	0.0161	0.3120	9.2000e-004	0.1141	4.8000e-004	0.1146	0.0303	4.4000e-004	0.0307		92.4888	92.4888	1.9900e-003	2.0400e-003	93.1464
Total	0.0764	2.0425	0.7924	9.5500e-003	0.3754	0.0165	0.3920	0.1018	0.0158	0.1176		1,036.0228	1,036.0228	0.0398	0.1517	1,082.2201

Innovation Park - CNU - Phase 2A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0371	2.0264	0.4804	8.6300e-003	0.2613	0.0160	0.2774	0.0715	0.0154	0.0869		943.5340	943.5340	0.0378	0.1497	989.0737
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0393	0.0161	0.3120	9.2000e-004	0.1141	4.8000e-004	0.1146	0.0303	4.4000e-004	0.0307		92.4888	92.4888	1.9900e-003	2.0400e-003	93.1464
Total	0.0764	2.0425	0.7924	9.5500e-003	0.3754	0.0165	0.3920	0.1018	0.0158	0.1176		1,036.0228	1,036.0228	0.0398	0.1517	1,082.2201

Innovation Park - CNU - Phase 2A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	2.4727	25.2339	17.9118	0.0381	19.6570	1.0868	20.7438	10.1025	0.9999	11.1023		3,689.1037	3,689.1037	1.1931		3,718.9320

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0371	2.0264	0.4804	8.6300e-003	0.2613	0.0160	0.2774	0.0715	0.0154	0.0869		943.5340	943.5340	0.0378	0.1497	989.0737
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0472	0.0193	0.3744	1.1000e-003	0.1369	5.7000e-004	0.1375	0.0363	5.3000e-004	0.0369		110.9866	110.9866	2.3900e-003	2.4500e-003	111.7757
Total	0.0843	2.0457	0.8548	9.7300e-003	0.3983	0.0166	0.4149	0.1079	0.0159	0.1237		1,054.5206	1,054.5206	0.0402	0.1521	1,100.8494

Innovation Park - CNU - Phase 2A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0381		0.0621	0.0621		0.0621	0.0621	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	0.4656	2.0175	20.8690	0.0381	8.8457	0.0621	8.9077	4.5461	0.0621	4.6082	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0371	2.0264	0.4804	8.6300e-003	0.2613	0.0160	0.2774	0.0715	0.0154	0.0869		943.5340	943.5340	0.0378	0.1497	989.0737
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0472	0.0193	0.3744	1.1000e-003	0.1369	5.7000e-004	0.1375	0.0363	5.3000e-004	0.0369		110.9866	110.9866	2.3900e-003	2.4500e-003	111.7757
Total	0.0843	2.0457	0.8548	9.7300e-003	0.3983	0.0166	0.4149	0.1079	0.0159	0.1237		1,054.5206	1,054.5206	0.0402	0.1521	1,100.8494

Innovation Park - CNU - Phase 2A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5227	15.3148	14.5402	0.0297		0.6236	0.6236		0.5737	0.5737		2,873.705 2	2,873.705 2	0.9294		2,896.940 5
Total	1.5227	15.3148	14.5402	0.0297	7.0826	0.6236	7.7062	3.4247	0.5737	3.9984		2,873.705 2	2,873.705 2	0.9294		2,896.940 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0371	2.0264	0.4804	8.6300e-003	0.2613	0.0160	0.2774	0.0715	0.0154	0.0869		943.5340	943.5340	0.0378	0.1497	989.0737
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0393	0.0161	0.3120	9.2000e-004	0.1141	4.8000e-004	0.1146	0.0303	4.4000e-004	0.0307		92.4888	92.4888	1.9900e-003	2.0400e-003	93.1464
Total	0.0764	2.0425	0.7924	9.5500e-003	0.3754	0.0165	0.3920	0.1018	0.0158	0.1176		1,036.022 8	1,036.022 8	0.0398	0.1517	1,082.220 1

Innovation Park - CNU - Phase 2A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1872	0.0000	3.1872	1.5411	0.0000	1.5411			0.0000			0.0000
Off-Road	0.3632	1.5737	17.7527	0.0297		0.0484	0.0484		0.0484	0.0484	0.0000	2,873.705 2	2,873.705 2	0.9294		2,896.940 5
Total	0.3632	1.5737	17.7527	0.0297	3.1872	0.0484	3.2356	1.5411	0.0484	1.5896	0.0000	2,873.705 2	2,873.705 2	0.9294		2,896.940 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0371	2.0264	0.4804	8.6300e-003	0.2613	0.0160	0.2774	0.0715	0.0154	0.0869		943.5340	943.5340	0.0378	0.1497	989.0737
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0393	0.0161	0.3120	9.2000e-004	0.1141	4.8000e-004	0.1146	0.0303	4.4000e-004	0.0307		92.4888	92.4888	1.9900e-003	2.0400e-003	93.1464
Total	0.0764	2.0425	0.7924	9.5500e-003	0.3754	0.0165	0.3920	0.1018	0.0158	0.1176		1,036.022 8	1,036.022 8	0.0398	0.1517	1,082.220 1

Innovation Park - CNU - Phase 2A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0611	2.2645	0.6963	9.2900e-003	0.3192	0.0126	0.3318	0.0919	0.0121	0.1039		998.1551	998.1551	0.0243	0.1475	1,042.721 7
Worker	0.2728	0.1113	2.1630	6.3400e-003	0.7911	3.3100e-003	0.7944	0.2099	3.0500e-003	0.2129		641.2558	641.2558	0.0138	0.0141	645.8151
Total	0.3339	2.3758	2.8592	0.0156	1.1103	0.0159	1.1262	0.3017	0.0151	0.3168		1,639.410 9	1,639.410 9	0.0381	0.1617	1,688.536 8

Innovation Park - CNU - Phase 2A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0611	2.2645	0.6963	9.2900e-003	0.3192	0.0126	0.3318	0.0919	0.0121	0.1039		998.1551	998.1551	0.0243	0.1475	1,042.721 7
Worker	0.2728	0.1113	2.1630	6.3400e-003	0.7911	3.3100e-003	0.7944	0.2099	3.0500e-003	0.2129		641.2558	641.2558	0.0138	0.0141	645.8151
Total	0.3339	2.3758	2.8592	0.0156	1.1103	0.0159	1.1262	0.3017	0.0151	0.3168		1,639.410 9	1,639.410 9	0.0381	0.1617	1,688.536 8

Innovation Park - CNU - Phase 2A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0593	2.2279	0.6866	9.1000e-003	0.3192	0.0124	0.3315	0.0919	0.0118	0.1037		977.6228	977.6228	0.0238	0.1447	1,021.343 1
Worker	0.2579	0.1026	2.0568	6.1700e-003	0.7911	3.1100e-003	0.7942	0.2099	2.8600e-003	0.2127		623.3387	623.3387	0.0127	0.0135	627.6815
Total	0.3172	2.3305	2.7434	0.0153	1.1103	0.0155	1.1257	0.3017	0.0147	0.3164		1,600.961 5	1,600.961 5	0.0365	0.1582	1,649.024 6

Innovation Park - CNU - Phase 2A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0593	2.2279	0.6866	9.1000e-003	0.3192	0.0124	0.3315	0.0919	0.0118	0.1037		977.6228	977.6228	0.0238	0.1447	1,021.343 1
Worker	0.2579	0.1026	2.0568	6.1700e-003	0.7911	3.1100e-003	0.7942	0.2099	2.8600e-003	0.2127		623.3387	623.3387	0.0127	0.0135	627.6815
Total	0.3172	2.3305	2.7434	0.0153	1.1103	0.0155	1.1257	0.3017	0.0147	0.3164		1,600.961 5	1,600.961 5	0.0365	0.1582	1,649.024 6

Innovation Park - CNU - Phase 2A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0577	2.1938	0.6782	8.9200e-003	0.3191	0.0121	0.3312	0.0918	0.0116	0.1034		958.4084	958.4084	0.0234	0.1421	1,001.331 3
Worker	0.2434	0.0952	1.9651	6.0100e-003	0.7911	2.9100e-003	0.7940	0.2099	2.6800e-003	0.2125		607.2540	607.2540	0.0117	0.0130	611.4137
Total	0.3010	2.2891	2.6434	0.0149	1.1103	0.0150	1.1253	0.3017	0.0143	0.3159		1,565.662 4	1,565.662 4	0.0351	0.1551	1,612.745 0

Innovation Park - CNU - Phase 2A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0577	2.1938	0.6782	8.9200e-003	0.3191	0.0121	0.3312	0.0918	0.0116	0.1034		958.4084	958.4084	0.0234	0.1421	1,001.331 3
Worker	0.2434	0.0952	1.9651	6.0100e-003	0.7911	2.9100e-003	0.7940	0.2099	2.6800e-003	0.2125		607.2540	607.2540	0.0117	0.0130	611.4137
Total	0.3010	2.2891	2.6434	0.0149	1.1103	0.0150	1.1253	0.3017	0.0143	0.3159		1,565.662 4	1,565.662 4	0.0351	0.1551	1,612.745 0

Innovation Park - CNU - Phase 2A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0351	0.0137	0.2834	8.7000e-004	0.1141	4.2000e-004	0.1145	0.0303	3.9000e-004	0.0307		87.5847	87.5847	1.6900e-003	1.8700e-003	88.1847
Total	0.0351	0.0137	0.2834	8.7000e-004	0.1141	4.2000e-004	0.1145	0.0303	3.9000e-004	0.0307		87.5847	87.5847	1.6900e-003	1.8700e-003	88.1847

Innovation Park - CNU - Phase 2A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0351	0.0137	0.2834	8.7000e-004	0.1141	4.2000e-004	0.1145	0.0303	3.9000e-004	0.0307		87.5847	87.5847	1.6900e-003	1.8700e-003	88.1847
Total	0.0351	0.0137	0.2834	8.7000e-004	0.1141	4.2000e-004	0.1145	0.0303	3.9000e-004	0.0307		87.5847	87.5847	1.6900e-003	1.8700e-003	88.1847

Innovation Park - CNU - Phase 2A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	88.6103					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	88.7812	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0491	0.0192	0.3968	1.2100e-003	0.1598	5.9000e-004	0.1603	0.0424	5.4000e-004	0.0429		122.6186	122.6186	2.3700e-003	2.6200e-003	123.4585
Total	0.0491	0.0192	0.3968	1.2100e-003	0.1598	5.9000e-004	0.1603	0.0424	5.4000e-004	0.0429		122.6186	122.6186	2.3700e-003	2.6200e-003	123.4585

Innovation Park - CNU - Phase 2A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	88.6103					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
Total	88.6400	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0491	0.0192	0.3968	1.2100e-003	0.1598	5.9000e-004	0.1603	0.0424	5.4000e-004	0.0429		122.6186	122.6186	2.3700e-003	2.6200e-003	123.4585
Total	0.0491	0.0192	0.3968	1.2100e-003	0.1598	5.9000e-004	0.1603	0.0424	5.4000e-004	0.0429		122.6186	122.6186	2.3700e-003	2.6200e-003	123.4585

Innovation Park CNU - Phase 2B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Innovation Park CNU - Phase 2B
Sacramento County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	430.00	Space	3.87	181,000.00	0
Strip Mall	26.00	1000sqft	0.60	26,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2029
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	357.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Retail/Parking Building 1
 Land Use - Parking/retail
 Construction Phase - Construction schedule adjusted
 Grading -
 Trips and VMT - 20 trucks/day for grade/demo/site prep
 Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMPs

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Innovation Park CNU - Phase 2B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	22.00
tblConstructionPhase	NumDays	230.00	286.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	8.00	13.00

Innovation Park CNU - Phase 2B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	18.00	22.00
tblConstructionPhase	NumDays	5.00	8.00
tblConstructionPhase	PhaseEndDate	5/9/2029	8/31/2029
tblConstructionPhase	PhaseEndDate	3/20/2029	6/29/2029
tblConstructionPhase	PhaseEndDate	4/13/2028	4/27/2028
tblConstructionPhase	PhaseEndDate	5/2/2028	5/26/2028
tblConstructionPhase	PhaseEndDate	4/13/2029	7/31/2029
tblConstructionPhase	PhaseEndDate	4/20/2028	5/9/2028
tblConstructionPhase	PhaseStartDate	4/14/2029	8/1/2029
tblConstructionPhase	PhaseStartDate	5/3/2028	5/26/2028
tblConstructionPhase	PhaseStartDate	4/21/2028	5/10/2028
tblConstructionPhase	PhaseStartDate	3/21/2029	7/2/2029
tblConstructionPhase	PhaseStartDate	4/14/2028	4/28/2028
tblLandUse	LandUseSquareFeet	172,000.00	181,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	600.00
tblTripsAndVMT	HaulingTripNumber	0.00	160.00
tblTripsAndVMT	HaulingTripNumber	0.00	260.00

2.0 Emissions Summary

Innovation Park CNU - Phase 2B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2028	3.2220	31.9529	33.6649	0.0796	20.1423	1.1829	21.2506	10.2341	1.1003	11.2545	0.0000	7,881.0247	7,881.0247	1.6073	0.3008	8,010.8556
2029	13.4541	13.9540	18.1070	0.0375	0.8437	0.5377	1.3814	0.2284	0.5058	0.7343	0.0000	3,661.7768	3,661.7768	0.6254	0.1016	3,707.6957
Maximum	13.4541	31.9529	33.6649	0.0796	20.1423	1.1829	21.2506	10.2341	1.1003	11.2545	0.0000	7,881.0247	7,881.0247	1.6073	0.3008	8,010.8556

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2028	1.0229	7.9769	38.2530	0.0796	9.3310	0.1210	9.4145	4.6778	0.1195	4.7604	0.0000	7,881.0247	7,881.0247	1.6073	0.3008	8,010.8556
2029	13.3130	3.7190	19.4826	0.0375	0.8437	0.0509	0.8946	0.2284	0.0504	0.2788	0.0000	3,661.7768	3,661.7768	0.6254	0.1016	3,707.6957
Maximum	13.3130	7.9769	38.2530	0.0796	9.3310	0.1210	9.4145	4.6778	0.1195	4.7604	0.0000	7,881.0247	7,881.0247	1.6073	0.3008	8,010.8556

Innovation Park CNU - Phase 2B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	14.03	74.52	-11.52	0.00	51.52	90.01	54.45	53.11	89.42	57.97	0.00	0.00	0.00	0.00	0.00	0.00

Innovation Park CNU - Phase 2B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.7046	4.2000e-004	0.0464	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.0998	0.0998	2.6000e-004		0.1063
Energy	4.1300e-003	0.0375	0.0315	2.3000e-004		2.8500e-003	2.8500e-003		2.8500e-003	2.8500e-003		45.0024	45.0024	8.6000e-004	8.3000e-004	45.2698
Mobile	2.5270	1.7050	14.3206	0.0265	2.9856	0.0192	3.0048	0.7956	0.0180	0.8135		2,708.7287	2,708.7287	0.2080	0.1457	2,757.3539
Total	3.2357	1.7430	14.3986	0.0268	2.9856	0.0223	3.0078	0.7956	0.0210	0.8166		2,753.8309	2,753.8309	0.2091	0.1466	2,802.7301

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.7046	4.2000e-004	0.0464	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		0.0998	0.0998	2.6000e-004		0.1063
Energy	4.1300e-003	0.0375	0.0315	2.3000e-004		2.8500e-003	2.8500e-003		2.8500e-003	2.8500e-003		45.0024	45.0024	8.6000e-004	8.3000e-004	45.2698
Mobile	2.5270	1.7050	14.3206	0.0265	2.9856	0.0192	3.0048	0.7956	0.0180	0.8135		2,708.7287	2,708.7287	0.2080	0.1457	2,757.3539
Total	3.2357	1.7430	14.3986	0.0268	2.9856	0.0223	3.0078	0.7956	0.0210	0.8166		2,753.8309	2,753.8309	0.2091	0.1466	2,802.7301

Innovation Park CNU - Phase 2B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/17/2028	4/27/2028	5	30	
2	Site Preparation	Site Preparation	4/28/2028	5/9/2028	5	8	
3	Grading	Grading	5/10/2028	5/26/2028	5	13	
4	Building Construction	Building Construction	5/26/2028	6/29/2029	5	286	
5	Paving	Paving	7/2/2029	7/31/2029	5	22	
6	Architectural Coating	Architectural Coating	8/1/2029	8/31/2029	5	22	

Acres of Grading (Site Preparation Phase): 12

Acres of Grading (Grading Phase): 13

Acres of Paving: 3.87

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 39,000; Non-Residential Outdoor: 13,000; Striped Parking Area: 10,860 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38

Innovation Park CNU - Phase 2B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	600.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	160.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	260.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	84.00	34.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Innovation Park CNU - Phase 2B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Water Exposed Area

3.2 Demolition - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0484	2.6416	0.6417	0.0113	0.3484	0.0209	0.3693	0.0954	0.0200	0.1154		1,230.3205	1,230.3205	0.0495	0.1951	1,289.7113
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0372	0.0148	0.2967	8.9000e-004	0.1141	4.5000e-004	0.1146	0.0303	4.1000e-004	0.0307		89.9046	89.9046	1.8300e-003	1.9500e-003	90.5310
Total	0.0856	2.6564	0.9383	0.0121	0.4625	0.0214	0.4839	0.1256	0.0204	0.1461		1,320.2251	1,320.2251	0.0514	0.1971	1,380.2423

Innovation Park CNU - Phase 2B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0484	2.6416	0.6417	0.0113	0.3484	0.0209	0.3693	0.0954	0.0200	0.1154		1,230.3205	1,230.3205	0.0495	0.1951	1,289.7113
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0372	0.0148	0.2967	8.9000e-004	0.1141	4.5000e-004	0.1146	0.0303	4.1000e-004	0.0307		89.9046	89.9046	1.8300e-003	1.9500e-003	90.5310
Total	0.0856	2.6564	0.9383	0.0121	0.4625	0.0214	0.4839	0.1256	0.0204	0.1461		1,320.2251	1,320.2251	0.0514	0.1971	1,380.2423

Innovation Park CNU - Phase 2B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	2.4727	25.2339	17.9118	0.0381	19.6570	1.0868	20.7438	10.1025	0.9999	11.1023		3,689.1037	3,689.1037	1.1931		3,718.9320

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0484	2.6416	0.6417	0.0113	0.3484	0.0209	0.3693	0.0954	0.0200	0.1154		1,230.3205	1,230.3205	0.0495	0.1951	1,289.7113
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0446	0.0178	0.3560	1.0700e-003	0.1369	5.4000e-004	0.1375	0.0363	4.9000e-004	0.0368		107.8855	107.8855	2.2000e-003	2.3400e-003	108.6372
Total	0.0930	2.6593	0.9977	0.0123	0.4853	0.0215	0.5068	0.1317	0.0205	0.1522		1,338.2060	1,338.2060	0.0517	0.1975	1,398.3485

Innovation Park CNU - Phase 2B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0381		0.0621	0.0621		0.0621	0.0621	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	0.4656	2.0175	20.8690	0.0381	8.8457	0.0621	8.9077	4.5461	0.0621	4.6082	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0484	2.6416	0.6417	0.0113	0.3484	0.0209	0.3693	0.0954	0.0200	0.1154		1,230.3205	1,230.3205	0.0495	0.1951	1,289.7113
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0446	0.0178	0.3560	1.0700e-003	0.1369	5.4000e-004	0.1375	0.0363	4.9000e-004	0.0368		107.8855	107.8855	2.2000e-003	2.3400e-003	108.6372
Total	0.0930	2.6593	0.9977	0.0123	0.4853	0.0215	0.5068	0.1317	0.0205	0.1522		1,338.2060	1,338.2060	0.0517	0.1975	1,398.3485

Innovation Park CNU - Phase 2B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5227	15.3148	14.5402	0.0297		0.6236	0.6236		0.5737	0.5737		2,873.705 2	2,873.705 2	0.9294		2,896.940 5
Total	1.5227	15.3148	14.5402	0.0297	7.0826	0.6236	7.7062	3.4247	0.5737	3.9984		2,873.705 2	2,873.705 2	0.9294		2,896.940 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0484	2.6416	0.6417	0.0113	0.3484	0.0209	0.3693	0.0954	0.0200	0.1154		1,230.320 5	1,230.320 5	0.0495	0.1951	1,289.7113
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0372	0.0148	0.2967	8.9000e-004	0.1141	4.5000e-004	0.1146	0.0303	4.1000e-004	0.0307		89.9046	89.9046	1.8300e-003	1.9500e-003	90.5310
Total	0.0856	2.6564	0.9383	0.0121	0.4625	0.0214	0.4839	0.1256	0.0204	0.1461		1,320.225 1	1,320.225 1	0.0514	0.1971	1,380.242 3

Innovation Park CNU - Phase 2B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1872	0.0000	3.1872	1.5411	0.0000	1.5411			0.0000			0.0000
Off-Road	0.3632	1.5737	17.7527	0.0297		0.0484	0.0484		0.0484	0.0484	0.0000	2,873.705 2	2,873.705 2	0.9294		2,896.940 5
Total	0.3632	1.5737	17.7527	0.0297	3.1872	0.0484	3.2356	1.5411	0.0484	1.5896	0.0000	2,873.705 2	2,873.705 2	0.9294		2,896.940 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0484	2.6416	0.6417	0.0113	0.3484	0.0209	0.3693	0.0954	0.0200	0.1154		1,230.320 5	1,230.320 5	0.0495	0.1951	1,289.7113
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0372	0.0148	0.2967	8.9000e-004	0.1141	4.5000e-004	0.1146	0.0303	4.1000e-004	0.0307		89.9046	89.9046	1.8300e-003	1.9500e-003	90.5310
Total	0.0856	2.6564	0.9383	0.0121	0.4625	0.0214	0.4839	0.1256	0.0204	0.1461		1,320.225 1	1,320.225 1	0.0514	0.1971	1,380.242 3

Innovation Park CNU - Phase 2B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0381	1.4292	0.4405	5.8400e-003	0.2047	7.9200e-003	0.2127	0.0589	7.5800e-003	0.0665		627.1543	627.1543	0.0153	0.0928	655.2012
Worker	0.2083	0.0829	1.6613	4.9800e-003	0.6390	2.5100e-003	0.6415	0.1695	2.3100e-003	0.1718		503.4659	503.4659	0.0103	0.0109	506.9735
Total	0.2463	1.5121	2.1017	0.0108	0.8437	0.0104	0.8542	0.2284	9.8900e-003	0.2383		1,130.620 1	1,130.620 1	0.0255	0.1038	1,162.174 7

Innovation Park CNU - Phase 2B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0381	1.4292	0.4405	5.8400e-003	0.2047	7.9200e-003	0.2127	0.0589	7.5800e-003	0.0665		627.1543	627.1543	0.0153	0.0928	655.2012
Worker	0.2083	0.0829	1.6613	4.9800e-003	0.6390	2.5100e-003	0.6415	0.1695	2.3100e-003	0.1718		503.4659	503.4659	0.0103	0.0109	506.9735
Total	0.2463	1.5121	2.1017	0.0108	0.8437	0.0104	0.8542	0.2284	9.8900e-003	0.2383		1,130.620 1	1,130.620 1	0.0255	0.1038	1,162.174 7

Innovation Park CNU - Phase 2B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0370	1.4074	0.4351	5.7200e-003	0.2047	7.7600e-003	0.2125	0.0589	7.4200e-003	0.0663		614.8280	614.8280	0.0150	0.0911	642.3635
Worker	0.1966	0.0769	1.5872	4.8500e-003	0.6390	2.3500e-003	0.6413	0.1695	2.1600e-003	0.1717		490.4744	490.4744	9.4900e-003	0.0105	493.8341
Total	0.2336	1.4843	2.0223	0.0106	0.8437	0.0101	0.8538	0.2284	9.5800e-003	0.2380		1,105.302 5	1,105.302 5	0.0245	0.1016	1,136.197 6

Innovation Park CNU - Phase 2B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0370	1.4074	0.4351	5.7200e-003	0.2047	7.7600e-003	0.2125	0.0589	7.4200e-003	0.0663		614.8280	614.8280	0.0150	0.0911	642.3635
Worker	0.1966	0.0769	1.5872	4.8500e-003	0.6390	2.3500e-003	0.6413	0.1695	2.1600e-003	0.1717		490.4744	490.4744	9.4900e-003	0.0105	493.8341
Total	0.2336	1.4843	2.0223	0.0106	0.8437	0.0101	0.8538	0.2284	9.5800e-003	0.2380		1,105.302 5	1,105.302 5	0.0245	0.1016	1,136.197 6

Innovation Park CNU - Phase 2B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0468	0.0183	0.3779	1.1600e-003	0.1521	5.6000e-004	0.1527	0.0404	5.1000e-004	0.0409		116.7796	116.7796	2.2600e-003	2.4900e-003	117.5796
Total	0.0468	0.0183	0.3779	1.1600e-003	0.1521	5.6000e-004	0.1527	0.0404	5.1000e-004	0.0409		116.7796	116.7796	2.2600e-003	2.4900e-003	117.5796

Innovation Park CNU - Phase 2B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0468	0.0183	0.3779	1.1600e-003	0.1521	5.6000e-004	0.1527	0.0404	5.1000e-004	0.0409		116.7796	116.7796	2.2600e-003	2.4900e-003	117.5796
Total	0.0468	0.0183	0.3779	1.1600e-003	0.1521	5.6000e-004	0.1527	0.0404	5.1000e-004	0.0409		116.7796	116.7796	2.2600e-003	2.4900e-003	117.5796

Innovation Park CNU - Phase 2B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.2435					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	13.4143	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0398	0.0156	0.3212	9.8000e-004	0.1293	4.8000e-004	0.1298	0.0343	4.4000e-004	0.0347		99.2627	99.2627	1.9200e-003	2.1200e-003	99.9426
Total	0.0398	0.0156	0.3212	9.8000e-004	0.1293	4.8000e-004	0.1298	0.0343	4.4000e-004	0.0347		99.2627	99.2627	1.9200e-003	2.1200e-003	99.9426

Innovation Park CNU - Phase 2B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.2435					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
Total	13.2732	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0398	0.0156	0.3212	9.8000e-004	0.1293	4.8000e-004	0.1298	0.0343	4.4000e-004	0.0347		99.2627	99.2627	1.9200e-003	2.1200e-003	99.9426
Total	0.0398	0.0156	0.3212	9.8000e-004	0.1293	4.8000e-004	0.1298	0.0343	4.4000e-004	0.0347		99.2627	99.2627	1.9200e-003	2.1200e-003	99.9426

Innovation Park CNU Phase 2C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Innovation Park CNU Phase 2C

Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	38.00	1000sqft	0.87	38,000.00	0
Enclosed Parking Structure	127.00	Space	1.14	38,000.00	0
Apartments Mid Rise	250.00	Dwelling Unit	6.58	154,000.00	668

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2025
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	357.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Admin/ Dormitory Building 1 and Faculty Building 1 construction only

Land Use - Dorm 1 and Faculty bldg 1

Construction Phase - adjusted schedule13

Trips and VMT - 15 trucks per day for site prep, demo, grade

Grading -

Area Coating -

Construction Off-road Equipment Mitigation - Tier 4 MM + Dust BMPs

Area Mitigation -

Fleet Mix -

Innovation Park CNU Phase 2C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	230.00	154.00

Innovation Park CNU Phase 2C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	20.00	16.00
tblConstructionPhase	NumDays	20.00	17.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	10.00	8.00
tblLandUse	LandUseSquareFeet	50,800.00	38,000.00
tblLandUse	LandUseSquareFeet	250,000.00	154,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	240.00
tblTripsAndVMT	HaulingTripNumber	0.00	120.00
tblTripsAndVMT	HaulingTripNumber	0.00	255.00

2.0 Emissions Summary

Innovation Park CNU Phase 2C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	3.9241	34.7637	37.5653	0.0881	20.0555	1.3731	21.3026	10.2104	1.2769	11.3584	0.0000	8,733.818 1	8,733.818 1	1.6321	0.3109	8,867.258 3
2025	163.8705	14.4725	21.4969	0.0476	1.8172	0.5447	2.3618	0.4873	0.5124	0.9997	0.0000	4,688.337 2	4,688.337 2	0.7161	0.1444	4,747.689 8
Maximum	163.8705	34.7637	37.5653	0.0881	20.0555	1.3731	21.3026	10.2104	1.2769	11.3584	0.0000	8,733.818 1	8,733.818 1	1.6321	0.3109	8,867.258 3

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.4818	8.0973	41.8520	0.0881	9.2441	0.1246	9.3240	4.6540	0.1228	4.7332	0.0000	8,733.818 1	8,733.818 1	1.6321	0.3109	8,867.258 3
2025	163.7294	4.2375	22.8725	0.0476	1.8172	0.0579	1.8751	0.4873	0.0569	0.5442	0.0000	4,688.337 2	4,688.337 2	0.7161	0.1444	4,747.689 8
Maximum	163.7294	8.0973	41.8520	0.0881	9.2441	0.1246	9.3240	4.6540	0.1228	4.7332	0.0000	8,733.818 1	8,733.818 1	1.6321	0.3109	8,867.258 3

Innovation Park CNU Phase 2C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.54	74.95	-9.59	0.00	49.43	90.48	52.68	51.94	89.96	57.30	0.00	0.00	0.00	0.00	0.00	0.00

Innovation Park CNU Phase 2C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.3699	0.2375	20.6226	1.0900e-003		0.1144	0.1144		0.1144	0.1144	0.0000	37.1742	37.1742	0.0357	0.0000	38.0656
Energy	0.0841	0.7269	0.3642	4.5900e-003		0.0581	0.0581		0.0581	0.0581		917.7430	917.7430	0.0176	0.0168	923.1966
Mobile	5.3677	5.0337	42.0001	0.0874	8.9693	0.0644	9.0336	2.3910	0.0601	2.4511		8,916.6696	8,916.6696	0.5542	0.4027	9,050.5269
Total	10.8217	5.9981	62.9868	0.0931	8.9693	0.2369	9.2062	2.3910	0.2326	2.6236	0.0000	9,871.5868	9,871.5868	0.6075	0.4195	10,011.7892

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.3699	0.2375	20.6226	1.0900e-003		0.1144	0.1144		0.1144	0.1144	0.0000	37.1742	37.1742	0.0357	0.0000	38.0656
Energy	0.0841	0.7269	0.3642	4.5900e-003		0.0581	0.0581		0.0581	0.0581		917.7430	917.7430	0.0176	0.0168	923.1966
Mobile	5.3677	5.0337	42.0001	0.0874	8.9693	0.0644	9.0336	2.3910	0.0601	2.4511		8,916.6696	8,916.6696	0.5542	0.4027	9,050.5269
Total	10.8217	5.9981	62.9868	0.0931	8.9693	0.2369	9.2062	2.3910	0.2326	2.6236	0.0000	9,871.5868	9,871.5868	0.6075	0.4195	10,011.7892

Innovation Park CNU Phase 2C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/2/2024	10/23/2024	5	16	
2	Site Preparation	Site Preparation	10/24/2024	11/4/2024	5	8	
3	Grading	Grading	11/5/2024	11/27/2024	5	17	
4	Building Construction	Building Construction	11/27/2024	6/30/2025	5	154	
5	Paving	Paving	7/1/2025	7/18/2025	5	14	
6	Architectural Coating	Architectural Coating	7/21/2025	8/6/2025	5	14	

Acres of Grading (Site Preparation Phase): 12

Acres of Grading (Grading Phase): 17

Acres of Paving: 1.14

Residential Indoor: 311,850; Residential Outdoor: 103,950; Non-Residential Indoor: 57,000; Non-Residential Outdoor: 19,000; Striped Parking Area: 2,280 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Innovation Park CNU Phase 2C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	240.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	120.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	255.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	208.00	39.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	42.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Innovation Park CNU Phase 2C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0398	2.1977	0.4777	9.2300e-003	0.2615	0.0172	0.2787	0.0716	0.0164	0.0880		1,007.2980	1,007.2980	0.0401	0.1597	1,055.8967
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0472	0.0216	0.3778	1.0100e-003	0.1141	5.6000e-004	0.1147	0.0303	5.1000e-004	0.0308		101.9630	101.9630	2.6500e-003	2.4400e-003	102.7559
Total	0.0869	2.2193	0.8555	0.0102	0.3756	0.0177	0.3933	0.1019	0.0169	0.1188		1,109.2609	1,109.2609	0.0427	0.1622	1,158.6526

Innovation Park CNU Phase 2C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0398	2.1977	0.4777	9.2300e-003	0.2615	0.0172	0.2787	0.0716	0.0164	0.0880		1,007.2980	1,007.2980	0.0401	0.1597	1,055.8967
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0472	0.0216	0.3778	1.0100e-003	0.1141	5.6000e-004	0.1147	0.0303	5.1000e-004	0.0308		101.9630	101.9630	2.6500e-003	2.4400e-003	102.7559
Total	0.0869	2.2193	0.8555	0.0102	0.3756	0.0177	0.3933	0.1019	0.0169	0.1188		1,109.2609	1,109.2609	0.0427	0.1622	1,158.6526

Innovation Park CNU Phase 2C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.010 0	3,688.010 0	1.1928		3,717.829 4
Total	2.6609	27.1760	18.3356	0.0381	19.6570	1.2294	20.8864	10.1025	1.1310	11.2335		3,688.010 0	3,688.010 0	1.1928		3,717.829 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0398	2.1977	0.4777	9.2300e-003	0.2615	0.0172	0.2787	0.0716	0.0164	0.0880		1,007.298 0	1,007.298 0	0.0401	0.1597	1,055.896 7
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0566	0.0259	0.4534	1.2100e-003	0.1369	6.7000e-004	0.1376	0.0363	6.2000e-004	0.0369		122.3556	122.3556	3.1800e-003	2.9300e-003	123.3071
Total	0.0964	2.2236	0.9310	0.0104	0.3984	0.0178	0.4163	0.1079	0.0171	0.1250		1,129.653 5	1,129.653 5	0.0432	0.1627	1,179.203 7

Innovation Park CNU Phase 2C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0381		0.0621	0.0621		0.0621	0.0621	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4
Total	0.4656	2.0175	20.8690	0.0381	8.8457	0.0621	8.9077	4.5461	0.0621	4.6082	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0398	2.1977	0.4777	9.2300e-003	0.2615	0.0172	0.2787	0.0716	0.0164	0.0880		1,007.298 0	1,007.298 0	0.0401	0.1597	1,055.896 7
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0566	0.0259	0.4534	1.2100e-003	0.1369	6.7000e-004	0.1376	0.0363	6.2000e-004	0.0369		122.3556	122.3556	3.1800e-003	2.9300e-003	123.3071
Total	0.0964	2.2236	0.9310	0.0104	0.3984	0.0178	0.4163	0.1079	0.0171	0.1250		1,129.653 5	1,129.653 5	0.0432	0.1627	1,179.203 7

Innovation Park CNU Phase 2C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.6617	17.0310	14.7594	0.0297		0.7244	0.7244		0.6665	0.6665		2,873.054 1	2,873.054 1	0.9292		2,896.284 2
Total	1.6617	17.0310	14.7594	0.0297	7.0826	0.7244	7.8070	3.4247	0.6665	4.0912		2,873.054 1	2,873.054 1	0.9292		2,896.284 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0398	2.1977	0.4777	9.2300e-003	0.2615	0.0172	0.2787	0.0716	0.0164	0.0880		1,007.298 0	1,007.298 0	0.0401	0.1597	1,055.896 7
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0472	0.0216	0.3778	1.0100e-003	0.1141	5.6000e-004	0.1147	0.0303	5.1000e-004	0.0308		101.9630	101.9630	2.6500e-003	2.4400e-003	102.7559
Total	0.0869	2.2193	0.8555	0.0102	0.3756	0.0177	0.3933	0.1019	0.0169	0.1188		1,109.260 9	1,109.260 9	0.0427	0.1622	1,158.652 6

Innovation Park CNU Phase 2C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1872	0.0000	3.1872	1.5411	0.0000	1.5411			0.0000			0.0000
Off-Road	0.3632	1.5737	17.7527	0.0297		0.0484	0.0484		0.0484	0.0484	0.0000	2,873.054 1	2,873.054 1	0.9292		2,896.284 2
Total	0.3632	1.5737	17.7527	0.0297	3.1872	0.0484	3.2356	1.5411	0.0484	1.5896	0.0000	2,873.054 1	2,873.054 1	0.9292		2,896.284 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0398	2.1977	0.4777	9.2300e-003	0.2615	0.0172	0.2787	0.0716	0.0164	0.0880		1,007.298 0	1,007.298 0	0.0401	0.1597	1,055.896 7
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0472	0.0216	0.3778	1.0100e-003	0.1141	5.6000e-004	0.1147	0.0303	5.1000e-004	0.0308		101.9630	101.9630	2.6500e-003	2.4400e-003	102.7559
Total	0.0869	2.2193	0.8555	0.0102	0.3756	0.0177	0.3933	0.1019	0.0169	0.1188		1,109.260 9	1,109.260 9	0.0427	0.1622	1,158.652 6

Innovation Park CNU Phase 2C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0499	1.7700	0.5445	7.2900e-003	0.2349	9.9400e-003	0.2449	0.0676	9.5000e-003	0.0771		781.9178	781.9178	0.0192	0.1149	816.6322
Worker	0.6540	0.2996	5.2391	0.0140	1.5823	7.7300e-003	1.5900	0.4197	7.1200e-003	0.4268		1,413.8864	1,413.8864	0.0367	0.0338	1,424.8818
Total	0.7039	2.0696	5.7836	0.0213	1.8172	0.0177	1.8349	0.4873	0.0166	0.5039		2,195.8042	2,195.8042	0.0558	0.1487	2,241.5140

Innovation Park CNU Phase 2C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0499	1.7700	0.5445	7.2900e-003	0.2349	9.9400e-003	0.2449	0.0676	9.5000e-003	0.0771		781.9178	781.9178	0.0192	0.1149	816.6322
Worker	0.6540	0.2996	5.2391	0.0140	1.5823	7.7300e-003	1.5900	0.4197	7.1200e-003	0.4268		1,413.8864	1,413.8864	0.0367	0.0338	1,424.8818
Total	0.7039	2.0696	5.7836	0.0213	1.8172	0.0177	1.8349	0.4873	0.0166	0.5039		2,195.8042	2,195.8042	0.0558	0.1487	2,241.5140

Innovation Park CNU Phase 2C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0481	1.7340	0.5318	7.1400e-003	0.2349	9.7400e-003	0.2447	0.0676	9.3200e-003	0.0769		766.0625	766.0625	0.0188	0.1128	800.1363
Worker	0.6136	0.2688	4.8805	0.0135	1.5823	7.3700e-003	1.5896	0.4197	6.7900e-003	0.4265		1,365.800 4	1,365.800 4	0.0332	0.0316	1,376.055 5
Total	0.6618	2.0028	5.4123	0.0207	1.8172	0.0171	1.8343	0.4873	0.0161	0.5034		2,131.862 8	2,131.862 8	0.0520	0.1444	2,176.191 7

Innovation Park CNU Phase 2C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0481	1.7340	0.5318	7.1400e-003	0.2349	9.7400e-003	0.2447	0.0676	9.3200e-003	0.0769		766.0625	766.0625	0.0188	0.1128	800.1363
Worker	0.6136	0.2688	4.8805	0.0135	1.5823	7.3700e-003	1.5896	0.4197	6.7900e-003	0.4265		1,365.800 4	1,365.800 4	0.0332	0.0316	1,376.055 5
Total	0.6618	2.0028	5.4123	0.0207	1.8172	0.0171	1.8343	0.4873	0.0161	0.5034		2,131.862 8	2,131.862 8	0.0520	0.1444	2,176.191 7

Innovation Park CNU Phase 2C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0443	0.0194	0.3520	9.7000e-004	0.1141	5.3000e-004	0.1146	0.0303	4.9000e-004	0.0308		98.4952	98.4952	2.4000e-003	2.2800e-003	99.2348
Total	0.0443	0.0194	0.3520	9.7000e-004	0.1141	5.3000e-004	0.1146	0.0303	4.9000e-004	0.0308		98.4952	98.4952	2.4000e-003	2.2800e-003	99.2348

Innovation Park CNU Phase 2C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0443	0.0194	0.3520	9.7000e-004	0.1141	5.3000e-004	0.1146	0.0303	4.9000e-004	0.0308		98.4952	98.4952	2.4000e-003	2.2800e-003	99.2348
Total	0.0443	0.0194	0.3520	9.7000e-004	0.1141	5.3000e-004	0.1146	0.0303	4.9000e-004	0.0308		98.4952	98.4952	2.4000e-003	2.2800e-003	99.2348

Innovation Park CNU Phase 2C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	163.5758					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	163.7466	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1239	0.0543	0.9855	2.7300e-003	0.3195	1.4900e-003	0.3210	0.0848	1.3700e-003	0.0861		275.7866	275.7866	6.7100e-003	6.3900e-003	277.8574
Total	0.1239	0.0543	0.9855	2.7300e-003	0.3195	1.4900e-003	0.3210	0.0848	1.3700e-003	0.0861		275.7866	275.7866	6.7100e-003	6.3900e-003	277.8574

Innovation Park CNU Phase 2C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	163.5758					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
Total	163.6055	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1239	0.0543	0.9855	2.7300e-003	0.3195	1.4900e-003	0.3210	0.0848	1.3700e-003	0.0861		275.7866	275.7866	6.7100e-003	6.3900e-003	277.8574
Total	0.1239	0.0543	0.9855	2.7300e-003	0.3195	1.4900e-003	0.3210	0.0848	1.3700e-003	0.0861		275.7866	275.7866	6.7100e-003	6.3900e-003	277.8574

Innovation Park CNU Phase 2D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Innovation Park CNU Phase 2D

Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Day-Care Center	15.00	1000sqft	0.34	15,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2027
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	357.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - Daycare construction only
- Land Use - daycare part 1
- Construction Phase - schedule adjusted
- Grading -
- Trips and VMT - 15 trips / day for site prep, grade, demo
- Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMP

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Innovation Park CNU Phase 2D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	5.00	3.00
tblConstructionPhase	NumDays	100.00	55.00
tblConstructionPhase	NumDays	10.00	34.00
tblConstructionPhase	NumDays	2.00	4.00
tblConstructionPhase	NumDays	5.00	3.00
tblConstructionPhase	NumDays	1.00	3.00
tblConstructionPhase	PhaseEndDate	5/15/2026	4/15/2026
tblConstructionPhase	PhaseEndDate	5/1/2026	4/7/2026
tblConstructionPhase	PhaseEndDate	12/9/2025	1/12/2026
tblConstructionPhase	PhaseEndDate	12/12/2025	1/21/2026
tblConstructionPhase	PhaseEndDate	5/8/2026	4/10/2026
tblConstructionPhase	PhaseEndDate	12/10/2025	1/15/2026
tblConstructionPhase	PhaseStartDate	5/9/2026	4/13/2026

Innovation Park CNU Phase 2D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	PhaseStartDate	12/13/2025	1/21/2026
tblConstructionPhase	PhaseStartDate	12/11/2025	1/16/2026
tblConstructionPhase	PhaseStartDate	5/2/2026	4/8/2026
tblConstructionPhase	PhaseStartDate	12/10/2025	1/13/2026
tblTripsAndVMT	HaulingTripNumber	0.00	510.00
tblTripsAndVMT	HaulingTripNumber	0.00	60.00
tblTripsAndVMT	HaulingTripNumber	0.00	45.00

2.0 Emissions Summary

Innovation Park CNU Phase 2D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	0.6427	7.2523	8.0781	0.0217	0.3375	0.2274	0.5649	0.0918	0.2173	0.3090	0.0000	2,200.964 6	2,200.964 6	0.2471	0.1579	2,254.199 2
2026	46.5236	16.3998	13.2382	0.0356	5.6919	0.6070	6.2989	2.6718	0.5591	3.2309	0.0000	3,563.169 4	3,563.169 4	0.8406	0.1608	3,632.101 1
Maximum	46.5236	16.3998	13.2382	0.0356	5.6919	0.6070	6.2989	2.6718	0.5591	3.2309	0.0000	3,563.169 4	3,563.169 4	0.8406	0.1608	3,632.101 1

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	0.2010	2.7261	8.5650	0.0217	0.3375	0.0349	0.3724	0.0918	0.0341	0.1259	0.0000	2,200.964 6	2,200.964 6	0.2471	0.1579	2,254.199 2
2026	46.3825	3.5364	15.6970	0.0356	2.7703	0.0590	2.8293	1.2591	0.0582	1.3174	0.0000	3,563.169 4	3,563.169 4	0.8406	0.1608	3,632.101 1
Maximum	46.3825	3.5364	15.6970	0.0356	2.7703	0.0590	2.8293	1.2591	0.0582	1.3174	0.0000	3,563.169 4	3,563.169 4	0.8406	0.1608	3,632.101 1

Innovation Park CNU Phase 2D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.24	73.52	-13.82	0.00	48.46	88.75	53.35	51.12	88.10	59.23	0.00	0.00	0.00	0.00	0.00	0.00

Innovation Park CNU Phase 2D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3592	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.5000e-003
Energy	6.7000e-003	0.0609	0.0512	3.7000e-004		4.6300e-003	4.6300e-003		4.6300e-003	4.6300e-003		73.1023	73.1023	1.4000e-003	1.3400e-003	73.5368
Mobile	1.5887	0.9656	7.7024	0.0129	1.3375	0.0104	1.3479	0.3565	9.6500e-003	0.3661		1,311.2075	1,311.2075	0.1179	0.0797	1,337.9117
Total	1.9547	1.0265	7.7551	0.0132	1.3375	0.0150	1.3525	0.3565	0.0143	0.3708		1,384.3131	1,384.3131	0.1193	0.0811	1,411.4519

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3592	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.2800e-003	3.2800e-003	1.0000e-005		3.5000e-003
Energy	6.7000e-003	0.0609	0.0512	3.7000e-004		4.6300e-003	4.6300e-003		4.6300e-003	4.6300e-003		73.1023	73.1023	1.4000e-003	1.3400e-003	73.5368
Mobile	1.5887	0.9656	7.7024	0.0129	1.3375	0.0104	1.3479	0.3565	9.6500e-003	0.3661		1,311.2075	1,311.2075	0.1179	0.0797	1,337.9117
Total	1.9547	1.0265	7.7551	0.0132	1.3375	0.0150	1.3525	0.3565	0.0143	0.3708		1,384.3131	1,384.3131	0.1193	0.0811	1,411.4519

Innovation Park CNU Phase 2D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/26/2025	1/12/2026	5	34	
2	Site Preparation	Site Preparation	1/13/2026	1/15/2026	5	3	
3	Grading	Grading	1/16/2026	1/21/2026	5	4	
4	Building Construction	Building Construction	1/21/2026	4/7/2026	5	55	
5	Paving	Paving	4/8/2026	4/10/2026	5	3	
6	Architectural Coating	Architectural Coating	4/13/2026	4/15/2026	5	3	

Acres of Grading (Site Preparation Phase): 1.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 22,500; Non-Residential Outdoor: 7,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20

Innovation Park CNU Phase 2D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Graders	1	6.00	187	0.41
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	1.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	6.00	2.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	4	10.00	0.00	510.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	60.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	45.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Innovation Park CNU Phase 2D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5743	5.1008	7.3641	0.0120		0.2102	0.2102		0.2008	0.2008		1,149.1195	1,149.1195	0.2060		1,154.2705
Total	0.5743	5.1008	7.3641	0.0120		0.2102	0.2102		0.2008	0.2008		1,149.1195	1,149.1195	0.2060		1,154.2705

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0389	2.1385	0.4794	9.0300e-003	0.2615	0.0168	0.2783	0.0716	0.0161	0.0877		986.1817	986.1817	0.0394	0.1564	1,033.7722
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0295	0.0129	0.2346	6.5000e-004	0.0761	3.5000e-004	0.0764	0.0202	3.3000e-004	0.0205		65.6635	65.6635	1.6000e-003	1.5200e-003	66.1565
Total	0.0684	2.1514	0.7141	9.6800e-003	0.3375	0.0172	0.3547	0.0918	0.0164	0.1082		1,051.8451	1,051.8451	0.0410	0.1579	1,099.9287

Innovation Park CNU Phase 2D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,149.1195	1,149.1195	0.2060		1,154.2705
Total	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,149.1195	1,149.1195	0.2060		1,154.2705

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0389	2.1385	0.4794	9.0300e-003	0.2615	0.0168	0.2783	0.0716	0.0161	0.0877		986.1817	986.1817	0.0394	0.1564	1,033.7722
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0295	0.0129	0.2346	6.5000e-004	0.0761	3.5000e-004	0.0764	0.0202	3.3000e-004	0.0205		65.6635	65.6635	1.6000e-003	1.5200e-003	66.1565
Total	0.0684	2.1514	0.7141	9.6800e-003	0.3375	0.0172	0.3547	0.0918	0.0164	0.1082		1,051.8451	1,051.8451	0.0410	0.1579	1,099.9287

Innovation Park CNU Phase 2D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5743	5.1008	7.3641	0.0120		0.2102	0.2102		0.2008	0.2008		1,149.1195	1,149.1195	0.2060		1,154.2705
Total	0.5743	5.1008	7.3641	0.0120		0.2102	0.2102		0.2008	0.2008		1,149.1195	1,149.1195	0.2060		1,154.2705

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0379	2.0802	0.4801	8.8300e-003	0.2614	0.0164	0.2778	0.0716	0.0157	0.0873		965.4064	965.4064	0.0387	0.1531	1,012.0005
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0278	0.0117	0.2202	6.3000e-004	0.0761	3.4000e-004	0.0764	0.0202	3.1000e-004	0.0205		63.5716	63.5716	1.4500e-003	1.4300e-003	64.0349
Total	0.0657	2.0920	0.7004	9.4600e-003	0.3375	0.0168	0.3542	0.0917	0.0160	0.1078		1,028.9780	1,028.9780	0.0401	0.1545	1,076.0355

Innovation Park CNU Phase 2D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,149.1195	1,149.1195	0.2060		1,154.2705
Total	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,149.1195	1,149.1195	0.2060		1,154.2705

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0379	2.0802	0.4801	8.8300e-003	0.2614	0.0164	0.2778	0.0716	0.0157	0.0873		965.4064	965.4064	0.0387	0.1531	1,012.0005
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0278	0.0117	0.2202	6.3000e-004	0.0761	3.4000e-004	0.0764	0.0202	3.1000e-004	0.0205		63.5716	63.5716	1.4500e-003	1.4300e-003	64.0349
Total	0.0657	2.0920	0.7004	9.4600e-003	0.3375	0.0168	0.3542	0.0917	0.0160	0.1078		1,028.9780	1,028.9780	0.0401	0.1545	1,076.0355

Innovation Park CNU Phase 2D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.4432	4.7918	3.8238	9.7300e-003		0.1654	0.1654		0.1521	0.1521		942.2955	942.2955	0.3048		949.9144
Total	0.4432	4.7918	3.8238	9.7300e-003	0.5303	0.1654	0.6956	0.0573	0.1521	0.2094		942.2955	942.2955	0.3048		949.9144

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0379	2.0802	0.4801	8.8300e-003	0.2614	0.0164	0.2778	0.0716	0.0157	0.0873		965.4064	965.4064	0.0387	0.1531	1,012.0005
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0139	5.8600e-003	0.1101	3.1000e-004	0.0380	1.7000e-004	0.0382	0.0101	1.6000e-004	0.0102		31.7858	31.7858	7.3000e-004	7.2000e-004	32.0175
Total	0.0518	2.0861	0.5902	9.1400e-003	0.2994	0.0166	0.3160	0.0817	0.0159	0.0975		997.1922	997.1922	0.0394	0.1538	1,044.0180

Innovation Park CNU Phase 2D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.1191	0.5162	5.3170	9.7300e-003		0.0159	0.0159		0.0159	0.0159	0.0000	942.2955	942.2955	0.3048		949.9144
Total	0.1191	0.5162	5.3170	9.7300e-003	0.2386	0.0159	0.2545	0.0258	0.0159	0.0416	0.0000	942.2955	942.2955	0.3048		949.9144

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0379	2.0802	0.4801	8.8300e-003	0.2614	0.0164	0.2778	0.0716	0.0157	0.0873		965.4064	965.4064	0.0387	0.1531	1,012.0005
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0139	5.8600e-003	0.1101	3.1000e-004	0.0380	1.7000e-004	0.0382	0.0101	1.6000e-004	0.0102		31.7858	31.7858	7.3000e-004	7.2000e-004	32.0175
Total	0.0518	2.0861	0.5902	9.1400e-003	0.2994	0.0166	0.3160	0.0817	0.0159	0.0975		997.1922	997.1922	0.0394	0.1538	1,044.0180

Innovation Park CNU Phase 2D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.3119	0.0000	5.3119	2.5686	0.0000	2.5686			0.0000			0.0000
Off-Road	0.8350	8.7341	5.3948	0.0141		0.3484	0.3484		0.3205	0.3205		1,364.6987	1,364.6987	0.4414		1,375.7329
Total	0.8350	8.7341	5.3948	0.0141	5.3119	0.3484	5.6603	2.5686	0.3205	2.8891		1,364.6987	1,364.6987	0.4414		1,375.7329

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0379	2.0802	0.4801	8.8300e-003	0.2614	0.0164	0.2778	0.0716	0.0157	0.0873		965.4064	965.4064	0.0387	0.1531	1,012.0005
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0222	9.3700e-003	0.1762	5.0000e-004	0.0609	2.7000e-004	0.0611	0.0161	2.5000e-004	0.0164		50.8573	50.8573	1.1600e-003	1.1500e-003	51.2280
Total	0.0602	2.0896	0.6563	9.3300e-003	0.3223	0.0167	0.3390	0.0877	0.0160	0.1037		1,016.2637	1,016.2637	0.0399	0.1543	1,063.2285

Innovation Park CNU Phase 2D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3904	0.0000	2.3904	1.1559	0.0000	1.1559			0.0000			0.0000
Off-Road	0.1725	0.7475	7.1557	0.0141		0.0230	0.0230		0.0230	0.0230	0.0000	1,364.6987	1,364.6987	0.4414		1,375.7329
Total	0.1725	0.7475	7.1557	0.0141	2.3904	0.0230	2.4134	1.1559	0.0230	1.1789	0.0000	1,364.6987	1,364.6987	0.4414		1,375.7329

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0379	2.0802	0.4801	8.8300e-003	0.2614	0.0164	0.2778	0.0716	0.0157	0.0873		965.4064	965.4064	0.0387	0.1531	1,012.0005
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0222	9.3700e-003	0.1762	5.0000e-004	0.0609	2.7000e-004	0.0611	0.0161	2.5000e-004	0.0164		50.8573	50.8573	1.1600e-003	1.1500e-003	51.2280
Total	0.0602	2.0896	0.6563	9.3300e-003	0.3223	0.0167	0.3390	0.0877	0.0160	0.1037		1,016.2637	1,016.2637	0.0399	0.1543	1,063.2285

Innovation Park CNU Phase 2D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5510	5.4820	7.0282	0.0114		0.2413	0.2413		0.2220	0.2220		1,105.571 1	1,105.571 1	0.3576		1,114.510 2
Total	0.5510	5.4820	7.0282	0.0114		0.2413	0.2413		0.2220	0.2220		1,105.571 1	1,105.571 1	0.3576		1,114.510 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3800e-003	0.0871	0.0267	3.6000e-004	0.0121	4.9000e-004	0.0125	3.4700e-003	4.7000e-004	3.9300e-003		38.4930	38.4930	9.4000e-004	5.6800e-003	40.2086
Worker	0.0167	7.0300e-003	0.1322	3.8000e-004	0.0456	2.0000e-004	0.0458	0.0121	1.9000e-004	0.0123		38.1430	38.1430	8.7000e-004	8.6000e-004	38.4210
Total	0.0191	0.0941	0.1589	7.4000e-004	0.0577	6.9000e-004	0.0584	0.0156	6.6000e-004	0.0162		76.6360	76.6360	1.8100e-003	6.5400e-003	78.6295

Innovation Park CNU Phase 2D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1397	0.6052	7.7261	0.0114		0.0186	0.0186		0.0186	0.0186	0.0000	1,105.571 1	1,105.571 1	0.3576		1,114.510 2
Total	0.1397	0.6052	7.7261	0.0114		0.0186	0.0186		0.0186	0.0186	0.0000	1,105.571 1	1,105.571 1	0.3576		1,114.510 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3800e-003	0.0871	0.0267	3.6000e-004	0.0121	4.9000e-004	0.0125	3.4700e-003	4.7000e-004	3.9300e-003		38.4930	38.4930	9.4000e-004	5.6800e-003	40.2086
Worker	0.0167	7.0300e-003	0.1322	3.8000e-004	0.0456	2.0000e-004	0.0458	0.0121	1.9000e-004	0.0123		38.1430	38.1430	8.7000e-004	8.6000e-004	38.4210
Total	0.0191	0.0941	0.1589	7.4000e-004	0.0577	6.9000e-004	0.0584	0.0156	6.6000e-004	0.0162		76.6360	76.6360	1.8100e-003	6.5400e-003	78.6295

Innovation Park CNU Phase 2D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5638	4.9206	7.0257	0.0113		0.2186	0.2186		0.2046	0.2046		1,036.271 1	1,036.271 1	0.3019		1,043.817 9
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5638	4.9206	7.0257	0.0113		0.2186	0.2186		0.2046	0.2046		1,036.271 1	1,036.271 1	0.3019		1,043.817 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0500	0.0211	0.3964	1.1300e-003	0.1369	6.1000e-004	0.1375	0.0363	5.6000e-004	0.0369		114.4288	114.4288	2.6200e-003	2.5800e-003	115.2629
Total	0.0500	0.0211	0.3964	1.1300e-003	0.1369	6.1000e-004	0.1375	0.0363	5.6000e-004	0.0369		114.4288	114.4288	2.6200e-003	2.5800e-003	115.2629

Innovation Park CNU Phase 2D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1119	0.4851	6.9028	0.0113		0.0149	0.0149		0.0149	0.0149	0.0000	1,036.271 1	1,036.271 1	0.3019		1,043.817 9
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1119	0.4851	6.9028	0.0113		0.0149	0.0149		0.0149	0.0149	0.0000	1,036.271 1	1,036.271 1	0.3019		1,043.817 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0500	0.0211	0.3964	1.1300e-003	0.1369	6.1000e-004	0.1375	0.0363	5.6000e-004	0.0369		114.4288	114.4288	2.6200e-003	2.5800e-003	115.2629
Total	0.0500	0.0211	0.3964	1.1300e-003	0.1369	6.1000e-004	0.1375	0.0363	5.6000e-004	0.0369		114.4288	114.4288	2.6200e-003	2.5800e-003	115.2629

Innovation Park CNU Phase 2D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	46.3500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	46.5209	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7800e-003	1.1700e-003	0.0220	6.0000e-005	7.6100e-003	3.0000e-005	7.6400e-003	2.0200e-003	3.0000e-005	2.0500e-003		6.3572	6.3572	1.5000e-004	1.4000e-004	6.4035
Total	2.7800e-003	1.1700e-003	0.0220	6.0000e-005	7.6100e-003	3.0000e-005	7.6400e-003	2.0200e-003	3.0000e-005	2.0500e-003		6.3572	6.3572	1.5000e-004	1.4000e-004	6.4035

Innovation Park CNU Phase 2D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	46.3500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
Total	46.3797	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7800e-003	1.1700e-003	0.0220	6.0000e-005	7.6100e-003	3.0000e-005	7.6400e-003	2.0200e-003	3.0000e-005	2.0500e-003		6.3572	6.3572	1.5000e-004	1.4000e-004	6.4035
Total	2.7800e-003	1.1700e-003	0.0220	6.0000e-005	7.6100e-003	3.0000e-005	7.6400e-003	2.0200e-003	3.0000e-005	2.0500e-003		6.3572	6.3572	1.5000e-004	1.4000e-004	6.4035

Innovation Park CNU Phase 2E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Innovation Park CNU Phase 2E

Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	166.80	1000sqft	3.83	166,800.00	0
Enclosed Parking Structure	83.00	Space	0.75	33,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2028
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	357.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - pharm bldg 2
 Land Use - Pharm BLDG 2
 Construction Phase - Schedule adjusted
 Grading -
 Trips and VMT - 15 truck/day
 Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMP

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Innovation Park CNU Phase 2E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	24.00
tblConstructionPhase	NumDays	230.00	312.00
tblConstructionPhase	NumDays	20.00	24.00
tblConstructionPhase	NumDays	8.00	11.00

Innovation Park CNU Phase 2E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	18.00	24.00
tblConstructionPhase	NumDays	5.00	6.00
tblConstructionPhase	PhaseEndDate	4/11/2028	8/31/2028
tblConstructionPhase	PhaseEndDate	2/21/2028	6/23/2028
tblConstructionPhase	PhaseEndDate	3/17/2027	3/23/2027
tblConstructionPhase	PhaseEndDate	4/5/2027	4/15/2027
tblConstructionPhase	PhaseEndDate	3/16/2028	7/27/2028
tblConstructionPhase	PhaseEndDate	3/24/2027	3/31/2027
tblConstructionPhase	PhaseStartDate	3/17/2028	7/28/2028
tblConstructionPhase	PhaseStartDate	4/6/2027	4/15/2027
tblConstructionPhase	PhaseStartDate	3/25/2027	4/1/2027
tblConstructionPhase	PhaseStartDate	2/22/2028	6/26/2028
tblConstructionPhase	PhaseStartDate	3/18/2027	3/24/2027
tblTripsAndVMT	HaulingTripNumber	0.00	360.00
tblTripsAndVMT	HaulingTripNumber	0.00	165.00
tblTripsAndVMT	HaulingTripNumber	0.00	90.00

2.0 Emissions Summary

Innovation Park CNU Phase 2E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	3.1802	31.3086	33.2442	0.0761	20.0553	1.1776	21.1587	10.2103	1.0952	11.2260	0.0000	7,500.8119	7,500.8119	1.5942	0.2527	7,615.9544
2028	65.0143	13.9230	17.8372	0.0366	0.7084	0.5373	1.2456	0.1924	0.5055	0.6978	0.0000	3,566.7569	3,566.7569	0.6240	0.0988	3,611.8004
Maximum	65.0143	31.3086	33.2442	0.0761	20.0553	1.1776	21.1587	10.2103	1.0952	11.2260	0.0000	7,500.8119	7,500.8119	1.5942	0.2527	7,615.9544

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	0.9812	7.3326	37.8323	0.0761	9.2439	0.1157	9.3226	4.6540	0.1145	4.7319	0.0000	7,500.8119	7,500.8119	1.5942	0.2527	7,615.9544
2028	64.8732	3.6880	19.2128	0.0366	0.7084	0.0505	0.7589	0.1924	0.0500	0.2424	0.0000	3,566.7569	3,566.7569	0.6240	0.0988	3,611.8004
Maximum	64.8732	7.3326	37.8323	0.0761	9.2439	0.1157	9.3226	4.6540	0.1145	4.7319	0.0000	7,500.8119	7,500.8119	1.5942	0.2527	7,615.9544

Innovation Park CNU Phase 2E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	3.43	75.64	-11.67	0.00	52.07	90.31	55.00	53.41	89.72	58.28	0.00	0.00	0.00	0.00	0.00	0.00

Innovation Park CNU Phase 2E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.0098	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0547	0.0547	1.4000e-004		0.0582
Energy	0.3299	2.9991	2.5192	0.0180		0.2279	0.2279		0.2279	0.2279		3,598.9015	3,598.9015	0.0690	0.0660	3,620.2880
Mobile	4.9381	4.4083	38.5188	0.0823	9.2746	0.0570	9.3316	2.4717	0.0532	2.5249		8,401.8101	8,401.8101	0.5171	0.3758	8,526.7186
Total	9.2778	7.4076	41.0634	0.1003	9.2746	0.2850	9.5596	2.4717	0.2813	2.7529		12,000.7663	12,000.7663	0.5862	0.4418	12,147.0648

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.0098	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0547	0.0547	1.4000e-004		0.0582
Energy	0.3299	2.9991	2.5192	0.0180		0.2279	0.2279		0.2279	0.2279		3,598.9015	3,598.9015	0.0690	0.0660	3,620.2880
Mobile	4.9381	4.4083	38.5188	0.0823	9.2746	0.0570	9.3316	2.4717	0.0532	2.5249		8,401.8101	8,401.8101	0.5171	0.3758	8,526.7186
Total	9.2778	7.4076	41.0634	0.1003	9.2746	0.2850	9.5596	2.4717	0.2813	2.7529		12,000.7663	12,000.7663	0.5862	0.4418	12,147.0648

Innovation Park CNU Phase 2E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/18/2027	3/23/2027	5	24	
2	Site Preparation	Site Preparation	3/24/2027	3/31/2027	5	6	
3	Grading	Grading	4/1/2027	4/15/2027	5	11	
4	Building Construction	Building Construction	4/15/2027	6/23/2028	5	312	
5	Paving	Paving	6/26/2028	7/27/2028	5	24	
6	Architectural Coating	Architectural Coating	7/28/2028	8/31/2028	5	24	

Acres of Grading (Site Preparation Phase): 9

Acres of Grading (Grading Phase): 11

Acres of Paving: 0.75

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 250,200; Non-Residential Outdoor: 83,400; Striped Parking Area: 1,992 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38

Innovation Park CNU Phase 2E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	13.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	67.00	33.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	360.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	165.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	90.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Innovation Park CNU Phase 2E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Water Exposed Area

3.2 Demolition - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0371	2.0264	0.4804	8.6300e-003	0.2613	0.0160	0.2774	0.0715	0.0154	0.0869		943.5340	943.5340	0.0378	0.1497	989.0737
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0393	0.0161	0.3120	9.2000e-004	0.1141	4.8000e-004	0.1146	0.0303	4.4000e-004	0.0307		92.4888	92.4888	1.9900e-003	2.0400e-003	93.1464
Total	0.0764	2.0425	0.7924	9.5500e-003	0.3754	0.0165	0.3920	0.1018	0.0158	0.1176		1,036.0228	1,036.0228	0.0398	0.1517	1,082.2201

Innovation Park CNU Phase 2E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0371	2.0264	0.4804	8.6300e-003	0.2613	0.0160	0.2774	0.0715	0.0154	0.0869		943.5340	943.5340	0.0378	0.1497	989.0737
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0393	0.0161	0.3120	9.2000e-004	0.1141	4.8000e-004	0.1146	0.0303	4.4000e-004	0.0307		92.4888	92.4888	1.9900e-003	2.0400e-003	93.1464
Total	0.0764	2.0425	0.7924	9.5500e-003	0.3754	0.0165	0.3920	0.1018	0.0158	0.1176		1,036.0228	1,036.0228	0.0398	0.1517	1,082.2201

Innovation Park CNU Phase 2E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	2.4727	25.2339	17.9118	0.0381	19.6570	1.0868	20.7438	10.1025	0.9999	11.1023		3,689.1037	3,689.1037	1.1931		3,718.9320

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0371	2.0264	0.4804	8.6300e-003	0.2613	0.0160	0.2774	0.0715	0.0154	0.0869		943.5340	943.5340	0.0378	0.1497	989.0737
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0472	0.0193	0.3744	1.1000e-003	0.1369	5.7000e-004	0.1375	0.0363	5.3000e-004	0.0369		110.9866	110.9866	2.3900e-003	2.4500e-003	111.7757
Total	0.0843	2.0457	0.8548	9.7300e-003	0.3983	0.0166	0.4149	0.1079	0.0159	0.1237		1,054.5206	1,054.5206	0.0402	0.1521	1,100.8494

Innovation Park CNU Phase 2E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0381		0.0621	0.0621		0.0621	0.0621	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	0.4656	2.0175	20.8690	0.0381	8.8457	0.0621	8.9077	4.5461	0.0621	4.6082	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0371	2.0264	0.4804	8.6300e-003	0.2613	0.0160	0.2774	0.0715	0.0154	0.0869		943.5340	943.5340	0.0378	0.1497	989.0737
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0472	0.0193	0.3744	1.1000e-003	0.1369	5.7000e-004	0.1375	0.0363	5.3000e-004	0.0369		110.9866	110.9866	2.3900e-003	2.4500e-003	111.7757
Total	0.0843	2.0457	0.8548	9.7300e-003	0.3983	0.0166	0.4149	0.1079	0.0159	0.1237		1,054.5206	1,054.5206	0.0402	0.1521	1,100.8494

Innovation Park CNU Phase 2E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5227	15.3148	14.5402	0.0297		0.6236	0.6236		0.5737	0.5737		2,873.705 2	2,873.705 2	0.9294		2,896.940 5
Total	1.5227	15.3148	14.5402	0.0297	7.0826	0.6236	7.7062	3.4247	0.5737	3.9984		2,873.705 2	2,873.705 2	0.9294		2,896.940 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0371	2.0264	0.4804	8.6300e-003	0.2613	0.0160	0.2774	0.0715	0.0154	0.0869		943.5340	943.5340	0.0378	0.1497	989.0737
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0393	0.0161	0.3120	9.2000e-004	0.1141	4.8000e-004	0.1146	0.0303	4.4000e-004	0.0307		92.4888	92.4888	1.9900e-003	2.0400e-003	93.1464
Total	0.0764	2.0425	0.7924	9.5500e-003	0.3754	0.0165	0.3920	0.1018	0.0158	0.1176		1,036.022 8	1,036.022 8	0.0398	0.1517	1,082.220 1

Innovation Park CNU Phase 2E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1872	0.0000	3.1872	1.5411	0.0000	1.5411			0.0000			0.0000
Off-Road	0.3632	1.5737	17.7527	0.0297		0.0484	0.0484		0.0484	0.0484	0.0000	2,873.705 2	2,873.705 2	0.9294		2,896.940 5
Total	0.3632	1.5737	17.7527	0.0297	3.1872	0.0484	3.2356	1.5411	0.0484	1.5896	0.0000	2,873.705 2	2,873.705 2	0.9294		2,896.940 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0371	2.0264	0.4804	8.6300e-003	0.2613	0.0160	0.2774	0.0715	0.0154	0.0869		943.5340	943.5340	0.0378	0.1497	989.0737
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0393	0.0161	0.3120	9.2000e-004	0.1141	4.8000e-004	0.1146	0.0303	4.4000e-004	0.0307		92.4888	92.4888	1.9900e-003	2.0400e-003	93.1464
Total	0.0764	2.0425	0.7924	9.5500e-003	0.3754	0.0165	0.3920	0.1018	0.0158	0.1176		1,036.022 8	1,036.022 8	0.0398	0.1517	1,082.220 1

Innovation Park CNU Phase 2E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0380	1.4100	0.4335	5.7900e-003	0.1987	7.8500e-003	0.2066	0.0572	7.5100e-003	0.0647		621.4928	621.4928	0.0151	0.0919	649.2418
Worker	0.1757	0.0717	1.3934	4.0900e-003	0.5097	2.1300e-003	0.5118	0.1352	1.9600e-003	0.1372		413.1167	413.1167	8.9100e-003	9.1100e-003	416.0539
Total	0.2138	1.4817	1.8270	9.8800e-003	0.7084	9.9800e-003	0.7184	0.1924	9.4700e-003	0.2019		1,034.609 5	1,034.609 5	0.0240	0.1010	1,065.295 8

Innovation Park CNU Phase 2E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0380	1.4100	0.4335	5.7900e-003	0.1987	7.8500e-003	0.2066	0.0572	7.5100e-003	0.0647		621.4928	621.4928	0.0151	0.0919	649.2418
Worker	0.1757	0.0717	1.3934	4.0900e-003	0.5097	2.1300e-003	0.5118	0.1352	1.9600e-003	0.1372		413.1167	413.1167	8.9100e-003	9.1100e-003	416.0539
Total	0.2138	1.4817	1.8270	9.8800e-003	0.7084	9.9800e-003	0.7184	0.1924	9.4700e-003	0.2019		1,034.609 5	1,034.609 5	0.0240	0.1010	1,065.295 8

Innovation Park CNU Phase 2E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0369	1.3872	0.4275	5.6700e-003	0.1987	7.6900e-003	0.2064	0.0572	7.3600e-003	0.0645		608.7085	608.7085	0.0148	0.0901	635.9306
Worker	0.1661	0.0661	1.3250	3.9700e-003	0.5097	2.0000e-003	0.5117	0.1352	1.8400e-003	0.1370		401.5740	401.5740	8.1900e-003	8.7000e-003	404.3717
Total	0.2031	1.4533	1.7526	9.6400e-003	0.7084	9.6900e-003	0.7181	0.1924	9.2000e-003	0.2016		1,010.282 5	1,010.282 5	0.0230	0.0988	1,040.302 3

Innovation Park CNU Phase 2E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0369	1.3872	0.4275	5.6700e-003	0.1987	7.6900e-003	0.2064	0.0572	7.3600e-003	0.0645		608.7085	608.7085	0.0148	0.0901	635.9306
Worker	0.1661	0.0661	1.3250	3.9700e-003	0.5097	2.0000e-003	0.5117	0.1352	1.8400e-003	0.1370		401.5740	401.5740	8.1900e-003	8.7000e-003	404.3717
Total	0.2031	1.4533	1.7526	9.6400e-003	0.7084	9.6900e-003	0.7181	0.1924	9.2000e-003	0.2016		1,010.282 5	1,010.282 5	0.0230	0.0988	1,040.302 3

Innovation Park CNU Phase 2E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0496	0.0197	0.3955	1.1900e-003	0.1521	6.0000e-004	0.1527	0.0404	5.5000e-004	0.0409		119.8728	119.8728	2.4500e-003	2.6000e-003	120.7080
Total	0.0496	0.0197	0.3955	1.1900e-003	0.1521	6.0000e-004	0.1527	0.0404	5.5000e-004	0.0409		119.8728	119.8728	2.4500e-003	2.6000e-003	120.7080

Innovation Park CNU Phase 2E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2194	0.9509	13.5323	0.0189		0.0293	0.0293		0.0293	0.0293	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0496	0.0197	0.3955	1.1900e-003	0.1521	6.0000e-004	0.1527	0.0404	5.5000e-004	0.0409		119.8728	119.8728	2.4500e-003	2.6000e-003	120.7080
Total	0.0496	0.0197	0.3955	1.1900e-003	0.1521	6.0000e-004	0.1527	0.0404	5.5000e-004	0.0409		119.8728	119.8728	2.4500e-003	2.6000e-003	120.7080

Innovation Park CNU Phase 2E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	64.8112					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	64.9821	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0322	0.0128	0.2571	7.7000e-004	0.0989	3.9000e-004	0.0993	0.0262	3.6000e-004	0.0266		77.9173	77.9173	1.5900e-003	1.6900e-003	78.4602
Total	0.0322	0.0128	0.2571	7.7000e-004	0.0989	3.9000e-004	0.0993	0.0262	3.6000e-004	0.0266		77.9173	77.9173	1.5900e-003	1.6900e-003	78.4602

Innovation Park CNU Phase 2E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	64.8112					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
Total	64.8409	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0322	0.0128	0.2571	7.7000e-004	0.0989	3.9000e-004	0.0993	0.0262	3.6000e-004	0.0266		77.9173	77.9173	1.5900e-003	1.6900e-003	78.4602
Total	0.0322	0.0128	0.2571	7.7000e-004	0.0989	3.9000e-004	0.0993	0.0262	3.6000e-004	0.0266		77.9173	77.9173	1.5900e-003	1.6900e-003	78.4602

Innovation Park CNU Phase 2F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Innovation Park CNU Phase 2F
Sacramento County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
University/College (4yr)	2,500.00	Student	10.55	216,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2029
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	357.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - University Bldg 2

Land Use - University Building 2

Construction Phase - Schedule adjusted

Grading -

Trips and VMT - 10 truck/day for demo, site prep, grading

Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMP

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00

Innovation Park CNU Phase 2F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	21.00
tblConstructionPhase	NumDays	300.00	318.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	21.00

Innovation Park CNU Phase 2F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	8/30/2029	8/31/2029
tblConstructionPhase	PhaseEndDate	7/5/2029	7/3/2029
tblConstructionPhase	PhaseEndDate	3/16/2028	3/7/2028
tblConstructionPhase	PhaseEndDate	5/11/2028	4/14/2028
tblConstructionPhase	PhaseEndDate	3/30/2028	3/16/2028
tblConstructionPhase	PhaseStartDate	5/12/2028	4/14/2028
tblConstructionPhase	PhaseStartDate	3/31/2028	3/17/2028
tblConstructionPhase	PhaseStartDate	7/6/2029	7/5/2029
tblConstructionPhase	PhaseStartDate	3/17/2028	3/8/2028
tblLandUse	LandUseSquareFeet	459,493.67	216,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	130.00
tblTripsAndVMT	HaulingTripNumber	0.00	210.00
tblTripsAndVMT	HaulingTripNumber	0.00	70.00

2.0 Emissions Summary

Innovation Park CNU Phase 2F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2028	4.6085	43.3802	45.4013	0.1075	19.9681	1.6809	21.0659	10.1865	1.5580	11.1968	0.0000	10,521.5682	10,521.5682	2.5995	0.2124	10,649.8591
2029	95.5616	14.0018	18.2520	0.0381	0.9030	0.5381	1.4411	0.2443	0.5062	0.7505	0.0000	3,720.7328	3,720.7328	0.7154	0.1052	3,767.7415
Maximum	95.5616	43.3802	45.4013	0.1075	19.9681	1.6809	21.0659	10.1865	1.5580	11.1968	0.0000	10,521.5682	10,521.5682	2.5995	0.2124	10,649.8591

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2028	1.4292	8.5024	53.4449	0.1075	9.1568	0.1648	9.2299	4.6301	0.1637	4.7027	0.0000	10,521.5682	10,521.5682	2.5995	0.2124	10,649.8590
2029	95.4204	3.7668	19.6276	0.0381	0.9030	0.0513	0.9543	0.2443	0.0508	0.2950	0.0000	3,720.7328	3,720.7328	0.7154	0.1052	3,767.7415
Maximum	95.4204	8.5024	53.4449	0.1075	9.1568	0.1648	9.2299	4.6301	0.1637	4.7027	0.0000	10,521.5682	10,521.5682	2.5995	0.2124	10,649.8590

Innovation Park CNU Phase 2F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	3.31	78.62	-14.80	0.00	51.80	90.26	54.75	53.27	89.61	58.17	0.00	0.00	0.00	0.00	0.00	0.00

Innovation Park CNU Phase 2F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.1944	2.3100e-003	0.2546	2.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004		0.5471	0.5471	1.4200e-003		0.5827
Energy	0.1658	1.5073	1.2661	9.0400e-003		0.1146	0.1146		0.1146	0.1146		1,808.7607	1,808.7607	0.0347	0.0332	1,819.5092
Mobile	9.4576	7.4346	64.5258	0.1313	15.0476	0.0907	15.1383	4.0098	0.0847	4.0945		13,400.4677	13,400.4677	0.8959	0.6416	13,614.0469
Total	14.8178	8.9443	66.0465	0.1403	15.0476	0.2062	15.2538	4.0098	0.2001	4.2099		15,209.7756	15,209.7756	0.9319	0.6747	15,434.1389

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.1944	2.3100e-003	0.2546	2.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004		0.5471	0.5471	1.4200e-003		0.5827
Energy	0.1658	1.5073	1.2661	9.0400e-003		0.1146	0.1146		0.1146	0.1146		1,808.7607	1,808.7607	0.0347	0.0332	1,819.5092
Mobile	9.4576	7.4346	64.5258	0.1313	15.0476	0.0907	15.1383	4.0098	0.0847	4.0945		13,400.4677	13,400.4677	0.8959	0.6416	13,614.0469
Total	14.8178	8.9443	66.0465	0.1403	15.0476	0.2062	15.2538	4.0098	0.2001	4.2099		15,209.7756	15,209.7756	0.9319	0.6747	15,434.1389

Innovation Park CNU Phase 2F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/18/2028	3/7/2028	5	13	
2	Site Preparation	Site Preparation	3/8/2028	3/16/2028	5	7	
3	Grading	Grading	3/17/2028	4/14/2028	5	20	
4	Building Construction	Building Construction	4/14/2028	7/3/2029	5	318	
5	Paving	Paving	7/5/2029	8/2/2029	5	21	
6	Architectural Coating	Architectural Coating	8/3/2029	8/31/2029	5	21	

Acres of Grading (Site Preparation Phase): 10.5

Acres of Grading (Grading Phase): 60

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 324,000; Non-Residential Outdoor: 108,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	2	8.00	158	0.38

Innovation Park CNU Phase 2F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	91.00	35.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	130.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	210.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	70.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Innovation Park CNU Phase 2F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0242	1.3208	0.3208	5.6300e-003	0.1742	0.0105	0.1847	0.0477	0.0100	0.0577		615.1602	615.1602	0.0248	0.0976	644.8557
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0372	0.0148	0.2967	8.9000e-004	0.1141	4.5000e-004	0.1146	0.0303	4.1000e-004	0.0307		89.9046	89.9046	1.8300e-003	1.9500e-003	90.5310
Total	0.0614	1.3356	0.6175	6.5200e-003	0.2883	0.0109	0.2992	0.0780	0.0104	0.0884		705.0649	705.0649	0.0266	0.0995	735.3866

Innovation Park CNU Phase 2F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0242	1.3208	0.3208	5.6300e-003	0.1742	0.0105	0.1847	0.0477	0.0100	0.0577		615.1602	615.1602	0.0248	0.0976	644.8557
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0372	0.0148	0.2967	8.9000e-004	0.1141	4.5000e-004	0.1146	0.0303	4.1000e-004	0.0307		89.9046	89.9046	1.8300e-003	1.9500e-003	90.5310
Total	0.0614	1.3356	0.6175	6.5200e-003	0.2883	0.0109	0.2992	0.0780	0.0104	0.0884		705.0649	705.0649	0.0266	0.0995	735.3866

Innovation Park CNU Phase 2F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	2.4727	25.2339	17.9118	0.0381	19.6570	1.0868	20.7438	10.1025	0.9999	11.1023		3,689.1037	3,689.1037	1.1931		3,718.9320

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0242	1.3208	0.3208	5.6300e-003	0.1742	0.0105	0.1847	0.0477	0.0100	0.0577		615.1602	615.1602	0.0248	0.0976	644.8557
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0446	0.0178	0.3560	1.0700e-003	0.1369	5.4000e-004	0.1375	0.0363	4.9000e-004	0.0368		107.8855	107.8855	2.2000e-003	2.3400e-003	108.6372
Total	0.0688	1.3386	0.6768	6.7000e-003	0.3111	0.0110	0.3221	0.0840	0.0105	0.0945		723.0458	723.0458	0.0270	0.0999	753.4928

Innovation Park CNU Phase 2F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0381		0.0621	0.0621		0.0621	0.0621	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	0.4656	2.0175	20.8690	0.0381	8.8457	0.0621	8.9077	4.5461	0.0621	4.6082	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0242	1.3208	0.3208	5.6300e-003	0.1742	0.0105	0.1847	0.0477	0.0100	0.0577		615.1602	615.1602	0.0248	0.0976	644.8557
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0446	0.0178	0.3560	1.0700e-003	0.1369	5.4000e-004	0.1375	0.0363	4.9000e-004	0.0368		107.8855	107.8855	2.2000e-003	2.3400e-003	108.6372
Total	0.0688	1.3386	0.6768	6.7000e-003	0.3111	0.0110	0.3221	0.0840	0.0105	0.0945		723.0458	723.0458	0.0270	0.0999	753.4928

Innovation Park CNU Phase 2F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	2.9012	27.9429	26.3311	0.0621	9.2036	1.1309	10.3345	3.6538	1.0404	4.6942		6,008.2814	6,008.2814	1.9432		6,056.8614

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0254	1.3868	0.3369	5.9100e-003	0.1829	0.0110	0.1939	0.0501	0.0105	0.0606		645.9182	645.9182	0.0260	0.1025	677.0984
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0496	0.0197	0.3955	1.1900e-003	0.1521	6.0000e-004	0.1527	0.0404	5.5000e-004	0.0409		119.8728	119.8728	2.4500e-003	2.6000e-003	120.7080
Total	0.0750	1.4066	0.7324	7.1000e-003	0.3351	0.0116	0.3466	0.0904	0.0111	0.1015		765.7911	765.7911	0.0285	0.1051	797.8064

Innovation Park CNU Phase 2F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1416	0.0000	4.1416	1.6442	0.0000	1.6442			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0621		0.1015	0.1015		0.1015	0.1015	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	0.7616	3.3000	32.9991	0.0621	4.1416	0.1015	4.2432	1.6442	0.1015	1.7457	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0254	1.3868	0.3369	5.9100e-003	0.1829	0.0110	0.1939	0.0501	0.0105	0.0606		645.9182	645.9182	0.0260	0.1025	677.0984
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0496	0.0197	0.3955	1.1900e-003	0.1521	6.0000e-004	0.1527	0.0404	5.5000e-004	0.0409		119.8728	119.8728	2.4500e-003	2.6000e-003	120.7080
Total	0.0750	1.4066	0.7324	7.1000e-003	0.3351	0.0116	0.3466	0.0904	0.0111	0.1015		765.7911	765.7911	0.0285	0.1051	797.8064

Innovation Park CNU Phase 2F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0392	1.4713	0.4534	6.0100e-003	0.2108	8.1600e-003	0.2189	0.0607	7.8000e-003	0.0685		645.6000	645.6000	0.0157	0.0956	674.4719
Worker	0.2257	0.0898	1.7997	5.4000e-003	0.6922	2.7200e-003	0.6950	0.1836	2.5000e-003	0.1861		545.4213	545.4213	0.0111	0.0118	549.2213
Total	0.2648	1.5610	2.2531	0.0114	0.9030	0.0109	0.9139	0.2443	0.0103	0.2546		1,191.021 3	1,191.021 3	0.0269	0.1074	1,223.693 1

Innovation Park CNU Phase 2F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0392	1.4713	0.4534	6.0100e-003	0.2108	8.1600e-003	0.2189	0.0607	7.8000e-003	0.0685		645.6000	645.6000	0.0157	0.0956	674.4719
Worker	0.2257	0.0898	1.7997	5.4000e-003	0.6922	2.7200e-003	0.6950	0.1836	2.5000e-003	0.1861		545.4213	545.4213	0.0111	0.0118	549.2213
Total	0.2648	1.5610	2.2531	0.0114	0.9030	0.0109	0.9139	0.2443	0.0103	0.2546		1,191.021 3	1,191.021 3	0.0269	0.1074	1,223.693 1

Innovation Park CNU Phase 2F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0381	1.4488	0.4479	5.8900e-003	0.2107	7.9900e-003	0.2187	0.0607	7.6400e-003	0.0683		632.9112	632.9112	0.0154	0.0938	661.2565
Worker	0.2129	0.0833	1.7195	5.2600e-003	0.6922	2.5400e-003	0.6948	0.1836	2.3400e-003	0.1860		531.3473	531.3473	0.0103	0.0114	534.9870
Total	0.2510	1.5321	2.1674	0.0112	0.9030	0.0105	0.9135	0.2443	9.9800e-003	0.2543		1,164.258 5	1,164.258 5	0.0257	0.1052	1,196.243 5

Innovation Park CNU Phase 2F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0381	1.4488	0.4479	5.8900e-003	0.2107	7.9900e-003	0.2187	0.0607	7.6400e-003	0.0683		632.9112	632.9112	0.0154	0.0938	661.2565
Worker	0.2129	0.0833	1.7195	5.2600e-003	0.6922	2.5400e-003	0.6948	0.1836	2.3400e-003	0.1860		531.3473	531.3473	0.0103	0.0114	534.9870
Total	0.2510	1.5321	2.1674	0.0112	0.9030	0.0105	0.9135	0.2443	9.9800e-003	0.2543		1,164.258 5	1,164.258 5	0.0257	0.1052	1,196.243 5

Innovation Park CNU Phase 2F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0351	0.0137	0.2834	8.7000e-004	0.1141	4.2000e-004	0.1145	0.0303	3.9000e-004	0.0307		87.5847	87.5847	1.6900e-003	1.8700e-003	88.1847
Total	0.0351	0.0137	0.2834	8.7000e-004	0.1141	4.2000e-004	0.1145	0.0303	3.9000e-004	0.0307		87.5847	87.5847	1.6900e-003	1.8700e-003	88.1847

Innovation Park CNU Phase 2F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0351	0.0137	0.2834	8.7000e-004	0.1141	4.2000e-004	0.1145	0.0303	3.9000e-004	0.0307		87.5847	87.5847	1.6900e-003	1.8700e-003	88.1847
Total	0.0351	0.0137	0.2834	8.7000e-004	0.1141	4.2000e-004	0.1145	0.0303	3.9000e-004	0.0307		87.5847	87.5847	1.6900e-003	1.8700e-003	88.1847

Innovation Park CNU Phase 2F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	95.3486					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	95.5194	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0421	0.0165	0.3401	1.0400e-003	0.1369	5.0000e-004	0.1374	0.0363	4.6000e-004	0.0368		105.1017	105.1017	2.0300e-003	2.2500e-003	105.8216
Total	0.0421	0.0165	0.3401	1.0400e-003	0.1369	5.0000e-004	0.1374	0.0363	4.6000e-004	0.0368		105.1017	105.1017	2.0300e-003	2.2500e-003	105.8216

Innovation Park CNU Phase 2F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	95.3486					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
Total	95.3783	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0421	0.0165	0.3401	1.0400e-003	0.1369	5.0000e-004	0.1374	0.0363	4.6000e-004	0.0368		105.1017	105.1017	2.0300e-003	2.2500e-003	105.8216
Total	0.0421	0.0165	0.3401	1.0400e-003	0.1369	5.0000e-004	0.1374	0.0363	4.6000e-004	0.0368		105.1017	105.1017	2.0300e-003	2.2500e-003	105.8216

Innovation Park CNU Phase 3A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Innovation Park CNU Phase 3A
Sacramento County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	760.00	Space	6.84	228,000.00	0
Strip Mall	29.00	1000sqft	0.67	29,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2030
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	357.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Retail/Parking building 2
 Land Use - Retail + Parking
 Construction Phase - Schedule adjusted
 Grading -
 Trips and VMT - 20 truck/ day for demo, site prep, grading
 Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMPs

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Innovation Park CNU Phase 3A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	230.00	281.00
tblConstructionPhase	NumDays	20.00	21.00
tblConstructionPhase	NumDays	20.00	24.00
tblConstructionPhase	PhaseEndDate	6/7/2030	8/30/2030
tblConstructionPhase	PhaseEndDate	4/12/2030	6/24/2030

Innovation Park CNU Phase 3A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	PhaseEndDate	5/25/2029	5/28/2029
tblConstructionPhase	PhaseEndDate	5/10/2030	7/26/2030
tblConstructionPhase	PhaseStartDate	5/11/2030	7/29/2030
tblConstructionPhase	PhaseStartDate	5/26/2029	5/28/2029
tblConstructionPhase	PhaseStartDate	4/28/2029	4/30/2029
tblConstructionPhase	PhaseStartDate	4/13/2030	6/25/2030
tblConstructionPhase	PhaseStartDate	4/14/2029	4/16/2029
tblLandUse	LandUseSquareFeet	304,000.00	228,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	400.00
tblTripsAndVMT	HaulingTripNumber	0.00	420.00
tblTripsAndVMT	HaulingTripNumber	0.00	200.00

2.0 Emissions Summary

Innovation Park CNU Phase 3A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2029	3.2640	32.2172	34.0722	0.0817	20.1423	1.1846	21.2500	10.2341	1.1018	11.2540	0.0000	8,094.5048	8,094.5048	1.6112	0.3186	8,229.7147
2030	13.4665	9.7382	18.5950	0.0438	1.0516	0.3310	1.2119	0.2846	0.3310	0.4443	0.0000	4,241.6653	4,241.6653	0.1455	0.1233	4,282.0495
Maximum	13.4665	32.2172	34.0722	0.0817	20.1423	1.1846	21.2500	10.2341	1.1018	11.2540	0.0000	8,094.5048	8,094.5048	1.6112	0.3186	8,229.7147

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2029	1.0649	8.2411	38.6603	0.0817	9.3309	0.1226	9.4140	4.6778	0.1211	4.7599	0.0000	8,094.5048	8,094.5048	1.6112	0.3186	8,229.7147
2030	13.3655	4.0383	19.8983	0.0438	1.0516	0.0529	1.1045	0.2846	0.0523	0.3369	0.0000	4,241.6653	4,241.6653	0.1455	0.1233	4,282.0495
Maximum	13.3655	8.2411	38.6603	0.0817	9.3309	0.1226	9.4140	4.6778	0.1211	4.7599	0.0000	8,094.5048	8,094.5048	1.6112	0.3186	8,229.7147

Innovation Park CNU Phase 3A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	13.75	70.73	-11.19	0.00	51.01	88.42	53.17	52.82	87.90	56.43	0.00	0.00	0.00	0.00	0.00	0.00

Innovation Park CNU Phase 3A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.7997	7.2000e-004	0.0802	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		0.1727	0.1727	4.5000e-004		0.1838
Energy	4.6000e-003	0.0418	0.0351	2.5000e-004		3.1800e-003	3.1800e-003		3.1800e-003	3.1800e-003		50.1950	50.1950	9.6000e-004	9.2000e-004	50.4933
Mobile	2.7143	1.8269	15.5300	0.0289	3.3296	0.0203	3.3499	0.8872	0.0189	0.9061		2,947.1219	2,947.1219	0.2247	0.1584	2,999.9413
Total	3.5186	1.8695	15.6453	0.0291	3.3296	0.0237	3.3533	0.8872	0.0224	0.9096		2,997.4895	2,997.4895	0.2261	0.1593	3,050.6184

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.7997	7.2000e-004	0.0802	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		0.1727	0.1727	4.5000e-004		0.1838
Energy	4.6000e-003	0.0418	0.0351	2.5000e-004		3.1800e-003	3.1800e-003		3.1800e-003	3.1800e-003		50.1950	50.1950	9.6000e-004	9.2000e-004	50.4933
Mobile	2.7143	1.8269	15.5300	0.0289	3.3296	0.0203	3.3499	0.8872	0.0189	0.9061		2,947.1219	2,947.1219	0.2247	0.1584	2,999.9413
Total	3.5186	1.8695	15.6453	0.0291	3.3296	0.0237	3.3533	0.8872	0.0224	0.9096		2,997.4895	2,997.4895	0.2261	0.1593	3,050.6184

Innovation Park CNU Phase 3A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/19/2029	4/13/2029	5	20	
2	Site Preparation	Site Preparation	4/16/2029	4/27/2029	5	10	
3	Grading	Grading	4/30/2029	5/28/2029	5	21	
4	Building Construction	Building Construction	5/28/2029	6/24/2030	5	281	
5	Paving	Paving	6/25/2030	7/26/2030	5	24	
6	Architectural Coating	Architectural Coating	7/29/2030	8/30/2030	5	25	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 21

Acres of Paving: 6.84

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 43,500; Non-Residential Outdoor: 14,500; Striped Parking Area: 13,680 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38

Innovation Park CNU Phase 3A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	21.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	105.00	42.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	400.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	420.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	200.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Innovation Park CNU Phase 3A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0474	2.5843	0.6424	0.0110	0.3483	0.0205	0.3688	0.0954	0.0196	0.1149		1,204.1541	1,204.1541	0.0487	0.1910	1,262.2909
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0351	0.0137	0.2834	8.7000e-004	0.1141	4.2000e-004	0.1145	0.0303	3.9000e-004	0.0307		87.5847	87.5847	1.6900e-003	1.8700e-003	88.1847
Total	0.0825	2.5980	0.9258	0.0119	0.4624	0.0209	0.4833	0.1256	0.0200	0.1456		1,291.7388	1,291.7388	0.0504	0.1929	1,350.4756

Innovation Park CNU Phase 3A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0474	2.5843	0.6424	0.0110	0.3483	0.0205	0.3688	0.0954	0.0196	0.1149		1,204.1541	1,204.1541	0.0487	0.1910	1,262.2909
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0351	0.0137	0.2834	8.7000e-004	0.1141	4.2000e-004	0.1145	0.0303	3.9000e-004	0.0307		87.5847	87.5847	1.6900e-003	1.8700e-003	88.1847
Total	0.0825	2.5980	0.9258	0.0119	0.4624	0.0209	0.4833	0.1256	0.0200	0.1456		1,291.7388	1,291.7388	0.0504	0.1929	1,350.4756

Innovation Park CNU Phase 3A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	2.4727	25.2339	17.9118	0.0381	19.6570	1.0868	20.7438	10.1025	0.9999	11.1023		3,689.1037	3,689.1037	1.1931		3,718.9320

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0474	2.5843	0.6424	0.0110	0.3483	0.0205	0.3688	0.0954	0.0196	0.1149		1,204.1541	1,204.1541	0.0487	0.1910	1,262.2909
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0421	0.0165	0.3401	1.0400e-003	0.1369	5.0000e-004	0.1374	0.0363	4.6000e-004	0.0368		105.1017	105.1017	2.0300e-003	2.2500e-003	105.8216
Total	0.0895	2.6008	0.9825	0.0121	0.4853	0.0210	0.5062	0.1317	0.0201	0.1517		1,309.2557	1,309.2557	0.0508	0.1933	1,368.1125

Innovation Park CNU Phase 3A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0381		0.0621	0.0621		0.0621	0.0621	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	0.4656	2.0175	20.8690	0.0381	8.8457	0.0621	8.9077	4.5461	0.0621	4.6082	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0474	2.5843	0.6424	0.0110	0.3483	0.0205	0.3688	0.0954	0.0196	0.1149		1,204.1541	1,204.1541	0.0487	0.1910	1,262.2909
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0421	0.0165	0.3401	1.0400e-003	0.1369	5.0000e-004	0.1374	0.0363	4.6000e-004	0.0368		105.1017	105.1017	2.0300e-003	2.2500e-003	105.8216
Total	0.0895	2.6008	0.9825	0.0121	0.4853	0.0210	0.5062	0.1317	0.0201	0.1517		1,309.2557	1,309.2557	0.0508	0.1933	1,368.1125

Innovation Park CNU Phase 3A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5227	15.3148	14.5402	0.0297		0.6236	0.6236		0.5737	0.5737		2,873.705 2	2,873.705 2	0.9294		2,896.940 5
Total	1.5227	15.3148	14.5402	0.0297	7.0826	0.6236	7.7062	3.4247	0.5737	3.9984		2,873.705 2	2,873.705 2	0.9294		2,896.940 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0474	2.5843	0.6424	0.0110	0.3483	0.0205	0.3688	0.0954	0.0196	0.1149		1,204.154 1	1,204.154 1	0.0487	0.1910	1,262.290 9
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0351	0.0137	0.2834	8.7000e-004	0.1141	4.2000e-004	0.1145	0.0303	3.9000e-004	0.0307		87.5847	87.5847	1.6900e-003	1.8700e-003	88.1847
Total	0.0825	2.5980	0.9258	0.0119	0.4624	0.0209	0.4833	0.1256	0.0200	0.1456		1,291.738 8	1,291.738 8	0.0504	0.1929	1,350.475 6

Innovation Park CNU Phase 3A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1872	0.0000	3.1872	1.5411	0.0000	1.5411			0.0000			0.0000
Off-Road	0.3632	1.5737	17.7527	0.0297		0.0484	0.0484		0.0484	0.0484	0.0000	2,873.705 2	2,873.705 2	0.9294		2,896.940 5
Total	0.3632	1.5737	17.7527	0.0297	3.1872	0.0484	3.2356	1.5411	0.0484	1.5896	0.0000	2,873.705 2	2,873.705 2	0.9294		2,896.940 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0474	2.5843	0.6424	0.0110	0.3483	0.0205	0.3688	0.0954	0.0196	0.1149		1,204.154 1	1,204.154 1	0.0487	0.1910	1,262.290 9
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0351	0.0137	0.2834	8.7000e-004	0.1141	4.2000e-004	0.1145	0.0303	3.9000e-004	0.0307		87.5847	87.5847	1.6900e-003	1.8700e-003	88.1847
Total	0.0825	2.5980	0.9258	0.0119	0.4624	0.0209	0.4833	0.1256	0.0200	0.1456		1,291.738 8	1,291.738 8	0.0504	0.1929	1,350.475 6

Innovation Park CNU Phase 3A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0457	1.7385	0.5375	7.0700e-003	0.2529	9.5900e-003	0.2625	0.0728	9.1700e-003	0.0820		759.4935	759.4935	0.0185	0.1126	793.5078
Worker	0.2457	0.0962	1.9840	6.0700e-003	0.7987	2.9400e-003	0.8017	0.2119	2.7000e-003	0.2146		613.0930	613.0930	0.0119	0.0131	617.2927
Total	0.2914	1.8347	2.5215	0.0131	1.0516	0.0125	1.0642	0.2847	0.0119	0.2965		1,372.586 5	1,372.586 5	0.0304	0.1257	1,410.800 5

Innovation Park CNU Phase 3A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0457	1.7385	0.5375	7.0700e-003	0.2529	9.5900e-003	0.2625	0.0728	9.1700e-003	0.0820		759.4935	759.4935	0.0185	0.1126	793.5078
Worker	0.2457	0.0962	1.9840	6.0700e-003	0.7987	2.9400e-003	0.8017	0.2119	2.7000e-003	0.2146		613.0930	613.0930	0.0119	0.0131	617.2927
Total	0.2914	1.8347	2.5215	0.0131	1.0516	0.0125	1.0642	0.2847	0.0119	0.2965		1,372.586 5	1,372.586 5	0.0304	0.1257	1,410.800 5

Innovation Park CNU Phase 3A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0445	1.7137	0.5322	6.9400e-003	0.2529	9.3900e-003	0.2623	0.0728	8.9800e-003	0.0818		745.5055	745.5055	0.0182	0.1107	778.9393
Worker	0.2315	0.0899	1.9058	5.9200e-003	0.7987	2.7500e-003	0.8015	0.2119	2.5300e-003	0.2144		598.6131	598.6131	0.0110	0.0127	602.6573
Total	0.2760	1.8036	2.4381	0.0129	1.0516	0.0121	1.0638	0.2846	0.0115	0.2962		1,344.1185	1,344.1185	0.0292	0.1233	1,381.5966

Innovation Park CNU Phase 3A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0445	1.7137	0.5322	6.9400e-003	0.2529	9.3900e-003	0.2623	0.0728	8.9800e-003	0.0818		745.5055	745.5055	0.0182	0.1107	778.9393
Worker	0.2315	0.0899	1.9058	5.9200e-003	0.7987	2.7500e-003	0.8015	0.2119	2.5300e-003	0.2144		598.6131	598.6131	0.0110	0.0127	602.6573
Total	0.2760	1.8036	2.4381	0.0129	1.0516	0.0121	1.0638	0.2846	0.0115	0.2962		1,344.1185	1,344.1185	0.0292	0.1233	1,381.5966

Innovation Park CNU Phase 3A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0331	0.0128	0.2723	8.5000e-004	0.1141	3.9000e-004	0.1145	0.0303	3.6000e-004	0.0306		85.5162	85.5162	1.5700e-003	1.8100e-003	86.0939
Total	0.0331	0.0128	0.2723	8.5000e-004	0.1141	3.9000e-004	0.1145	0.0303	3.6000e-004	0.0306		85.5162	85.5162	1.5700e-003	1.8100e-003	86.0939

Innovation Park CNU Phase 3A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0281		0.0374	0.0374		0.0374	0.0374	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2805	1.2154	17.2957	0.0281		0.0374	0.0374		0.0374	0.0374	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0331	0.0128	0.2723	8.5000e-004	0.1141	3.9000e-004	0.1145	0.0303	3.6000e-004	0.0306		85.5162	85.5162	1.5700e-003	1.8100e-003	86.0939
Total	0.0331	0.0128	0.2723	8.5000e-004	0.1141	3.9000e-004	0.1145	0.0303	3.6000e-004	0.0306		85.5162	85.5162	1.5700e-003	1.8100e-003	86.0939

Innovation Park CNU Phase 3A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.2895					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	13.4202	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0463	0.0180	0.3812	1.1800e-003	0.1598	5.5000e-004	0.1603	0.0424	5.1000e-004	0.0429		119.7226	119.7226	2.2000e-003	2.5300e-003	120.5315
Total	0.0463	0.0180	0.3812	1.1800e-003	0.1598	5.5000e-004	0.1603	0.0424	5.1000e-004	0.0429		119.7226	119.7226	2.2000e-003	2.5300e-003	120.5315

Innovation Park CNU Phase 3A - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.2895					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0114		281.7328
Total	13.3192	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0114		281.7328

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0463	0.0180	0.3812	1.1800e-003	0.1598	5.5000e-004	0.1603	0.0424	5.1000e-004	0.0429		119.7226	119.7226	2.2000e-003	2.5300e-003	120.5315
Total	0.0463	0.0180	0.3812	1.1800e-003	0.1598	5.5000e-004	0.1603	0.0424	5.1000e-004	0.0429		119.7226	119.7226	2.2000e-003	2.5300e-003	120.5315

Innovation Park CNU Phase 3B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Innovation Park CNU Phase 3B
Sacramento County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
University/College (4yr)	1,000.00	Student	4.22	108,000.00	0
General Heavy Industry	54.00	1000sqft	1.24	54,000.00	0
Strip Mall	27.00	1000sqft	0.62	27,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2030
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	357.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - University BLDG 2

Land Use - University BLDG 2

Construction Phase - Schedule adjusted

Grading -

Trips and VMT - 10 truck/day for demo, site prep. grading

Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMPs

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Innovation Park CNU Phase 3B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	27.00
tblConstructionPhase	NumDays	230.00	306.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	20.00	27.00

Innovation Park CNU Phase 3B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	PhaseEndDate	5/10/2030	8/30/2030
tblConstructionPhase	PhaseEndDate	3/15/2030	6/17/2030
tblConstructionPhase	PhaseEndDate	3/16/2029	3/9/2029
tblConstructionPhase	PhaseEndDate	4/27/2029	4/16/2029
tblConstructionPhase	PhaseEndDate	4/12/2030	7/24/2030
tblConstructionPhase	PhaseEndDate	3/30/2029	3/23/2029
tblConstructionPhase	PhaseStartDate	4/13/2030	7/25/2030
tblConstructionPhase	PhaseStartDate	4/28/2029	4/16/2029
tblConstructionPhase	PhaseStartDate	3/31/2029	3/27/2029
tblConstructionPhase	PhaseStartDate	3/16/2030	6/18/2030
tblConstructionPhase	PhaseStartDate	3/17/2029	3/12/2029
tblLandUse	LandUseSquareFeet	183,797.47	108,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	150.00
tblTripsAndVMT	HaulingTripNumber	0.00	160.00
tblTripsAndVMT	HaulingTripNumber	0.00	100.00

2.0 Emissions Summary

Innovation Park CNU Phase 3B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2029	3.1644	30.5302	33.1025	0.0731	19.9681	1.1717	21.0656	10.1864	1.0895	11.1966	0.0000	7,170.1598	7,170.1598	1.5804	0.1965	7,268.2107
2030	65.0538	9.2654	17.9474	0.0404	0.7724	0.3310	0.9295	0.2091	0.3310	0.3657	0.0000	3,886.7837	3,886.7837	0.1378	0.0910	3,917.3330
Maximum	65.0538	30.5302	33.1025	0.0731	19.9681	1.1717	21.0656	10.1864	1.0895	11.1966	0.0000	7,170.1598	7,170.1598	1.5804	0.1965	7,268.2107

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2029	0.9653	6.5541	37.6906	0.0731	9.1568	0.1098	9.2296	4.6301	0.1088	4.7024	0.0000	7,170.1598	7,170.1598	1.5804	0.1965	7,268.2107
2030	64.9528	3.5655	19.2507	0.0404	0.7724	0.0497	0.8221	0.2091	0.0493	0.2584	0.0000	3,886.7837	3,886.7837	0.1378	0.0910	3,917.3330
Maximum	64.9528	6.5541	37.6906	0.0731	9.1568	0.1098	9.2296	4.6301	0.1088	4.7024	0.0000	7,170.1598	7,170.1598	1.5804	0.1965	7,268.2107

Innovation Park CNU Phase 3B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	3.37	74.57	-11.54	0.00	52.13	89.39	54.30	53.45	88.87	57.09	0.00	0.00	0.00	0.00	0.00	0.00

Innovation Park CNU Phase 3B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.5347	9.9000e-004	0.1098	1.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004		0.2366	0.2366	6.1000e-004		0.2518
Energy	0.1439	1.3085	1.0992	7.8500e-003		0.0995	0.0995		0.0995	0.0995		1,570.2208	1,570.2208	0.0301	0.0288	1,579.5518
Mobile	7.1081	5.4053	47.2756	0.0951	11.1381	0.0641	11.2022	2.9678	0.0598	3.0276		9,704.7229	9,704.7229	0.6611	0.4733	9,862.2796
Total	11.7867	6.7149	48.4846	0.1029	11.1381	0.1639	11.3021	2.9678	0.1597	3.1275		11,275.1803	11,275.1803	0.6919	0.5020	11,442.0832

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.5347	9.9000e-004	0.1098	1.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004		0.2366	0.2366	6.1000e-004		0.2518
Energy	0.1439	1.3085	1.0992	7.8500e-003		0.0995	0.0995		0.0995	0.0995		1,570.2208	1,570.2208	0.0301	0.0288	1,579.5518
Mobile	7.1081	5.4053	47.2756	0.0951	11.1381	0.0641	11.2022	2.9678	0.0598	3.0276		9,704.7229	9,704.7229	0.6611	0.4733	9,862.2796
Total	11.7867	6.7149	48.4846	0.1029	11.1381	0.1639	11.3021	2.9678	0.1597	3.1275		11,275.1803	11,275.1803	0.6919	0.5020	11,442.0832

Innovation Park CNU Phase 3B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/19/2029	3/9/2029	5	15	
2	Site Preparation	Site Preparation	3/12/2029	3/23/2029	5	10	
3	Grading	Grading	3/27/2029	4/16/2029	5	15	
4	Building Construction	Building Construction	4/16/2029	6/17/2030	5	306	
5	Paving	Paving	6/18/2030	7/24/2030	5	27	
6	Architectural Coating	Architectural Coating	7/25/2030	8/30/2030	5	27	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 15

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 283,500; Non-Residential Outdoor: 94,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38

Innovation Park CNU Phase 3B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	77.00	31.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	150.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	160.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	100.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Innovation Park CNU Phase 3B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0237	1.2922	0.3212	5.5100e-003	0.1742	0.0102	0.1844	0.0477	9.8000e-003	0.0575		602.0770	602.0770	0.0244	0.0955	631.1455
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0351	0.0137	0.2834	8.7000e-004	0.1141	4.2000e-004	0.1145	0.0303	3.9000e-004	0.0307		87.5847	87.5847	1.6900e-003	1.8700e-003	88.1847
Total	0.0588	1.3059	0.6046	6.3800e-003	0.2883	0.0107	0.2989	0.0779	0.0102	0.0881		689.6618	689.6618	0.0261	0.0974	719.3301

Innovation Park CNU Phase 3B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0237	1.2922	0.3212	5.5100e-003	0.1742	0.0102	0.1844	0.0477	9.8000e-003	0.0575		602.0770	602.0770	0.0244	0.0955	631.1455
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0351	0.0137	0.2834	8.7000e-004	0.1141	4.2000e-004	0.1145	0.0303	3.9000e-004	0.0307		87.5847	87.5847	1.6900e-003	1.8700e-003	88.1847
Total	0.0588	1.3059	0.6046	6.3800e-003	0.2883	0.0107	0.2989	0.0779	0.0102	0.0881		689.6618	689.6618	0.0261	0.0974	719.3301

Innovation Park CNU Phase 3B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	2.4727	25.2339	17.9118	0.0381	19.6570	1.0868	20.7438	10.1025	0.9999	11.1023		3,689.1037	3,689.1037	1.1931		3,718.9320

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0237	1.2922	0.3212	5.5100e-003	0.1742	0.0102	0.1844	0.0477	9.8000e-003	0.0575		602.0770	602.0770	0.0244	0.0955	631.1455
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0421	0.0165	0.3401	1.0400e-003	0.1369	5.0000e-004	0.1374	0.0363	4.6000e-004	0.0368		105.1017	105.1017	2.0300e-003	2.2500e-003	105.8216
Total	0.0658	1.3086	0.6613	6.5500e-003	0.3111	0.0107	0.3218	0.0840	0.0103	0.0943		707.1787	707.1787	0.0264	0.0978	736.9671

Innovation Park CNU Phase 3B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0381		0.0621	0.0621		0.0621	0.0621	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	0.4656	2.0175	20.8690	0.0381	8.8457	0.0621	8.9077	4.5461	0.0621	4.6082	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0237	1.2922	0.3212	5.5100e-003	0.1742	0.0102	0.1844	0.0477	9.8000e-003	0.0575		602.0770	602.0770	0.0244	0.0955	631.1455
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0421	0.0165	0.3401	1.0400e-003	0.1369	5.0000e-004	0.1374	0.0363	4.6000e-004	0.0368		105.1017	105.1017	2.0300e-003	2.2500e-003	105.8216
Total	0.0658	1.3086	0.6613	6.5500e-003	0.3111	0.0107	0.3218	0.0840	0.0103	0.0943		707.1787	707.1787	0.0264	0.0978	736.9671

Innovation Park CNU Phase 3B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5227	15.3148	14.5402	0.0297		0.6236	0.6236		0.5737	0.5737		2,873.705 2	2,873.705 2	0.9294		2,896.940 5
Total	1.5227	15.3148	14.5402	0.0297	7.0826	0.6236	7.7062	3.4247	0.5737	3.9984		2,873.705 2	2,873.705 2	0.9294		2,896.940 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0253	1.3783	0.3426	5.8700e-003	0.1858	0.0109	0.1967	0.0509	0.0105	0.0613		642.2155	642.2155	0.0260	0.1019	673.2218
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0351	0.0137	0.2834	8.7000e-004	0.1141	4.2000e-004	0.1145	0.0303	3.9000e-004	0.0307		87.5847	87.5847	1.6900e-003	1.8700e-003	88.1847
Total	0.0604	1.3920	0.6260	6.7400e-003	0.2999	0.0113	0.3112	0.0811	0.0108	0.0920		729.8002	729.8002	0.0277	0.1037	761.4065

Innovation Park CNU Phase 3B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1872	0.0000	3.1872	1.5411	0.0000	1.5411			0.0000			0.0000
Off-Road	0.3632	1.5737	17.7527	0.0297		0.0484	0.0484		0.0484	0.0484	0.0000	2,873.705 2	2,873.705 2	0.9294		2,896.940 5
Total	0.3632	1.5737	17.7527	0.0297	3.1872	0.0484	3.2356	1.5411	0.0484	1.5896	0.0000	2,873.705 2	2,873.705 2	0.9294		2,896.940 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0253	1.3783	0.3426	5.8700e-003	0.1858	0.0109	0.1967	0.0509	0.0105	0.0613		642.2155	642.2155	0.0260	0.1019	673.2218
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0351	0.0137	0.2834	8.7000e-004	0.1141	4.2000e-004	0.1145	0.0303	3.9000e-004	0.0307		87.5847	87.5847	1.6900e-003	1.8700e-003	88.1847
Total	0.0604	1.3920	0.6260	6.7400e-003	0.2999	0.0113	0.3112	0.0811	0.0108	0.0920		729.8002	729.8002	0.0277	0.1037	761.4065

Innovation Park CNU Phase 3B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0337	1.2832	0.3967	5.2200e-003	0.1867	7.0800e-003	0.1937	0.0537	6.7700e-003	0.0605		560.5785	560.5785	0.0137	0.0831	585.6843
Worker	0.1802	0.0705	1.4550	4.4500e-003	0.5857	2.1500e-003	0.5879	0.1554	1.9800e-003	0.1574		449.6015	449.6015	8.7000e-003	9.6100e-003	452.6813
Total	0.2139	1.3537	1.8517	9.6700e-003	0.7724	9.2300e-003	0.7816	0.2091	8.7500e-003	0.2178		1,010.180 0	1,010.180 0	0.0224	0.0927	1,038.365 6

Innovation Park CNU Phase 3B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.3278	2.2347	17.4603	0.0270		0.0408	0.0408		0.0408	0.0408	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0337	1.2832	0.3967	5.2200e-003	0.1867	7.0800e-003	0.1937	0.0537	6.7700e-003	0.0605		560.5785	560.5785	0.0137	0.0831	585.6843
Worker	0.1802	0.0705	1.4550	4.4500e-003	0.5857	2.1500e-003	0.5879	0.1554	1.9800e-003	0.1574		449.6015	449.6015	8.7000e-003	9.6100e-003	452.6813
Total	0.2139	1.3537	1.8517	9.6700e-003	0.7724	9.2300e-003	0.7816	0.2091	8.7500e-003	0.2178		1,010.180 0	1,010.180 0	0.0224	0.0927	1,038.365 6

Innovation Park CNU Phase 3B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0329	1.2649	0.3928	5.1200e-003	0.1867	6.9300e-003	0.1936	0.0537	6.6300e-003	0.0603		550.2540	550.2540	0.0135	0.0817	574.9314
Worker	0.1698	0.0659	1.3976	4.3400e-003	0.5857	2.0100e-003	0.5878	0.1554	1.8500e-003	0.1572		438.9829	438.9829	8.0600e-003	9.2800e-003	441.9487
Total	0.2026	1.3308	1.7904	9.4600e-003	0.7724	8.9400e-003	0.7813	0.2091	8.4800e-003	0.2176		989.2369	989.2369	0.0215	0.0910	1,016.8801

Innovation Park CNU Phase 3B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0329	1.2649	0.3928	5.1200e-003	0.1867	6.9300e-003	0.1936	0.0537	6.6300e-003	0.0603		550.2540	550.2540	0.0135	0.0817	574.9314
Worker	0.1698	0.0659	1.3976	4.3400e-003	0.5857	2.0100e-003	0.5878	0.1554	1.8500e-003	0.1572		438.9829	438.9829	8.0600e-003	9.2800e-003	441.9487
Total	0.2026	1.3308	1.7904	9.4600e-003	0.7724	8.9400e-003	0.7813	0.2091	8.4800e-003	0.2176		989.2369	989.2369	0.0215	0.0910	1,016.8801

Innovation Park CNU Phase 3B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0331	0.0128	0.2723	8.5000e-004	0.1141	3.9000e-004	0.1145	0.0303	3.6000e-004	0.0306		85.5162	85.5162	1.5700e-003	1.8100e-003	86.0939
Total	0.0331	0.0128	0.2723	8.5000e-004	0.1141	3.9000e-004	0.1145	0.0303	3.6000e-004	0.0306		85.5162	85.5162	1.5700e-003	1.8100e-003	86.0939

Innovation Park CNU Phase 3B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0281		0.0374	0.0374		0.0374	0.0374	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2805	1.2154	17.2957	0.0281		0.0374	0.0374		0.0374	0.0374	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0331	0.0128	0.2723	8.5000e-004	0.1141	3.9000e-004	0.1145	0.0303	3.6000e-004	0.0306		85.5162	85.5162	1.5700e-003	1.8100e-003	86.0939
Total	0.0331	0.0128	0.2723	8.5000e-004	0.1141	3.9000e-004	0.1145	0.0303	3.6000e-004	0.0306		85.5162	85.5162	1.5700e-003	1.8100e-003	86.0939

Innovation Park CNU Phase 3B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	64.8900					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	65.0208	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0331	0.0128	0.2723	8.5000e-004	0.1141	3.9000e-004	0.1145	0.0303	3.6000e-004	0.0306		85.5162	85.5162	1.5700e-003	1.8100e-003	86.0939
Total	0.0331	0.0128	0.2723	8.5000e-004	0.1141	3.9000e-004	0.1145	0.0303	3.6000e-004	0.0306		85.5162	85.5162	1.5700e-003	1.8100e-003	86.0939

Innovation Park CNU Phase 3B - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	64.8900					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0114		281.7328
Total	64.9197	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0114		281.7328

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0331	0.0128	0.2723	8.5000e-004	0.1141	3.9000e-004	0.1145	0.0303	3.6000e-004	0.0306		85.5162	85.5162	1.5700e-003	1.8100e-003	86.0939
Total	0.0331	0.0128	0.2723	8.5000e-004	0.1141	3.9000e-004	0.1145	0.0303	3.6000e-004	0.0306		85.5162	85.5162	1.5700e-003	1.8100e-003	86.0939

Innovation Park CNU Phase 3C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Innovation Park CNU Phase 3C

Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	48.00	1000sqft	1.10	48,000.00	0
Enclosed Parking Structure	127.00	Space	1.14	48,000.00	0
Apartments Mid Rise	250.00	Dwelling Unit	6.58	114,000.00	668

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2031
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	357.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Dorm/Facility BLDG 2 Construction ONLY

Land Use - Residential buildings 2

Construction Phase - Adjusted Scheduled

Grading -

Trips and VMT - 15 trucks/year for demo, site prep, and grading

Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMPs

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

Innovation Park CNU Phase 3C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	26.00
tblConstructionPhase	NumDays	230.00	307.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	20.00	16.00
tblConstructionPhase	NumDays	20.00	27.00
tblConstructionPhase	PhaseEndDate	5/9/2031	8/28/2031
tblConstructionPhase	PhaseEndDate	3/14/2031	6/17/2031
tblConstructionPhase	PhaseEndDate	3/15/2030	3/8/2030
tblConstructionPhase	PhaseEndDate	4/26/2030	4/15/2030
tblConstructionPhase	PhaseEndDate	4/11/2031	7/24/2031
tblConstructionPhase	PhaseEndDate	3/29/2030	3/22/2030
tblConstructionPhase	PhaseStartDate	4/12/2031	7/25/2031
tblConstructionPhase	PhaseStartDate	4/27/2030	4/15/2030
tblConstructionPhase	PhaseStartDate	3/30/2030	3/25/2030
tblConstructionPhase	PhaseStartDate	3/15/2031	6/18/2031
tblConstructionPhase	PhaseStartDate	3/16/2030	3/11/2030
tblLandUse	LandUseSquareFeet	50,800.00	48,000.00
tblLandUse	LandUseSquareFeet	250,000.00	114,000.00

Innovation Park CNU Phase 3C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tbITripsAndVMT	HaulingTripNumber	0.00	225.00
tbITripsAndVMT	HaulingTripNumber	0.00	240.00
tbITripsAndVMT	HaulingTripNumber	0.00	150.00

2.0 Emissions Summary

Innovation Park CNU Phase 3C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	3.5158	19.4949	35.8159	0.0953	20.0552	0.4522	20.5073	10.2103	0.4515	10.6617	0.0000	9,284.9656	9,284.9656	0.3384	0.2789	9,376.5413
2031	72.7185	9.8009	20.4661	0.0497	1.8960	0.3310	2.0586	0.5086	0.3310	0.6704	0.0000	4,835.5340	4,835.5340	0.1552	0.1342	4,879.4029
Maximum	72.7185	19.4949	35.8159	0.0953	20.0552	0.4522	20.5073	10.2103	0.4515	10.6617	0.0000	9,284.9656	9,284.9656	0.3384	0.2789	9,376.5413

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	3.5158	19.4949	35.8159	0.0953	9.2438	0.4522	9.6960	4.6539	0.4515	5.1054	0.0000	9,284.9656	9,284.9656	0.3384	0.2789	9,376.5413
2031	72.7185	9.8009	20.4661	0.0497	1.8960	0.3310	2.0586	0.5086	0.3310	0.6704	0.0000	4,835.5340	4,835.5340	0.1552	0.1342	4,879.4029
Maximum	72.7185	19.4949	35.8159	0.0953	9.2438	0.4522	9.6960	4.6539	0.4515	5.1054	0.0000	9,284.9656	9,284.9656	0.3384	0.2789	9,376.5413

Innovation Park CNU Phase 3C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.6171	0.2373	20.5886	1.0900e-003		0.1144	0.1144		0.1144	0.1144	0.0000	37.1764	37.1764	0.0355	0.0000	38.0634
Energy	0.0880	0.7617	0.3935	4.8000e-003		0.0608	0.0608		0.0608	0.0608		959.5802	959.5802	0.0184	0.0176	965.2825
Mobile	4.5375	3.9311	35.8252	0.0773	9.3848	0.0487	9.4336	2.5004	0.0455	2.5459		7,895.4427	7,895.4427	0.4860	0.3534	8,012.9100
Total	9.2426	4.9301	56.8073	0.0832	9.3848	0.2239	9.6088	2.5004	0.2207	2.7211	0.0000	8,892.1993	8,892.1993	0.5398	0.3710	9,016.2559

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.6171	0.2373	20.5886	1.0900e-003		0.1144	0.1144		0.1144	0.1144	0.0000	37.1764	37.1764	0.0355	0.0000	38.0634
Energy	0.0880	0.7617	0.3935	4.8000e-003		0.0608	0.0608		0.0608	0.0608		959.5802	959.5802	0.0184	0.0176	965.2825
Mobile	4.5375	3.9311	35.8252	0.0773	9.3848	0.0487	9.4336	2.5004	0.0455	2.5459		7,895.4427	7,895.4427	0.4860	0.3534	8,012.9100
Total	9.2426	4.9301	56.8073	0.0832	9.3848	0.2239	9.6088	2.5004	0.2207	2.7211	0.0000	8,892.1993	8,892.1993	0.5398	0.3710	9,016.2559

Innovation Park CNU Phase 3C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/18/2030	3/8/2030	5	15	
2	Site Preparation	Site Preparation	3/11/2030	3/22/2030	5	10	
3	Grading	Grading	3/25/2030	4/15/2030	5	16	
4	Building Construction	Building Construction	4/15/2030	6/17/2031	5	307	
5	Paving	Paving	6/18/2031	7/24/2031	5	27	
6	Architectural Coating	Architectural Coating	7/25/2031	8/28/2031	5	26	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 16

Acres of Paving: 1.14

Residential Indoor: 230,850; Residential Outdoor: 76,950; Non-Residential Indoor: 72,000; Non-Residential Outdoor: 24,000; Striped Parking Area: 2,880 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38

Innovation Park CNU Phase 3C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	216.00	42.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	225.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	240.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	150.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Innovation Park CNU Phase 3C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511		4,378.5819	4,378.5819	0.1847		4,383.2000
Total	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511		4,378.5819	4,378.5819	0.1847		4,383.2000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0348	1.8987	0.4821	8.0900e-003	0.2612	0.0150	0.2762	0.0715	0.0144	0.0859		885.2445	885.2445	0.0360	0.1404	927.9913
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0331	0.0128	0.2723	8.5000e-004	0.1141	3.9000e-004	0.1145	0.0303	3.6000e-004	0.0306		85.5162	85.5162	1.5700e-003	1.8100e-003	86.0939
Total	0.0679	1.9115	0.7544	8.9400e-003	0.3753	0.0154	0.3907	0.1018	0.0147	0.1165		970.7607	970.7607	0.0376	0.1422	1,014.0852

Innovation Park CNU Phase 3C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511	0.0000	4,378.5819	4,378.5819	0.1847		4,383.2000
Total	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511	0.0000	4,378.5819	4,378.5819	0.1847		4,383.2000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0348	1.8987	0.4821	8.0900e-003	0.2612	0.0150	0.2762	0.0715	0.0144	0.0859		885.2445	885.2445	0.0360	0.1404	927.9913
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0331	0.0128	0.2723	8.5000e-004	0.1141	3.9000e-004	0.1145	0.0303	3.6000e-004	0.0306		85.5162	85.5162	1.5700e-003	1.8100e-003	86.0939
Total	0.0679	1.9115	0.7544	8.9400e-003	0.3753	0.0154	0.3907	0.1018	0.0147	0.1165		970.7607	970.7607	0.0376	0.1422	1,014.0852

Innovation Park CNU Phase 3C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367		4,409.7537	4,409.7537	0.2176		4,415.1936
Total	2.4399	13.6680	16.2918	0.0466	19.6570	0.4367	20.0937	10.1025	0.4367	10.5391		4,409.7537	4,409.7537	0.2176		4,415.1936

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0348	1.8987	0.4821	8.0900e-003	0.2612	0.0150	0.2762	0.0715	0.0144	0.0859		885.2445	885.2445	0.0360	0.1404	927.9913
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0397	0.0154	0.3267	1.0200e-003	0.1369	4.7000e-004	0.1374	0.0363	4.3000e-004	0.0368		102.6194	102.6194	1.8800e-003	2.1700e-003	103.3127
Total	0.0745	1.9141	0.8088	9.1100e-003	0.3981	0.0155	0.4136	0.1078	0.0148	0.1226		987.8639	987.8639	0.0379	0.1426	1,031.3040

Innovation Park CNU Phase 3C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367	0.0000	4,409.7537	4,409.7537	0.2176		4,415.1936
Total	2.4399	13.6680	16.2918	0.0466	8.8457	0.4367	9.2823	4.5461	0.4367	4.9828	0.0000	4,409.7537	4,409.7537	0.2176		4,415.1936

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0348	1.8987	0.4821	8.0900e-003	0.2612	0.0150	0.2762	0.0715	0.0144	0.0859		885.2445	885.2445	0.0360	0.1404	927.9913
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0397	0.0154	0.3267	1.0200e-003	0.1369	4.7000e-004	0.1374	0.0363	4.3000e-004	0.0368		102.6194	102.6194	1.8800e-003	2.1700e-003	103.3127
Total	0.0745	1.9141	0.8088	9.1100e-003	0.3981	0.0155	0.4136	0.1078	0.0148	0.1226		987.8639	987.8639	0.0379	0.1426	1,031.3040

Innovation Park CNU Phase 3C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.6179	7.7501	14.4518	0.0363		0.2340	0.2340		0.2340	0.2340		3,439.720 1	3,439.720 1	0.1437		3,443.3117
Total	1.6179	7.7501	14.4518	0.0363	7.0826	0.2340	7.3166	3.4247	0.2340	3.6588		3,439.720 1	3,439.720 1	0.1437		3,443.311 7

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0348	1.8987	0.4821	8.0900e-003	0.2612	0.0150	0.2762	0.0715	0.0144	0.0859		885.2445	885.2445	0.0360	0.1404	927.9913
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0331	0.0128	0.2723	8.5000e-004	0.1141	3.9000e-004	0.1145	0.0303	3.6000e-004	0.0306		85.5162	85.5162	1.5700e-003	1.8100e-003	86.0939
Total	0.0679	1.9115	0.7544	8.9400e-003	0.3753	0.0154	0.3907	0.1018	0.0147	0.1165		970.7607	970.7607	0.0376	0.1422	1,014.085 2

Innovation Park CNU Phase 3C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1872	0.0000	3.1872	1.5411	0.0000	1.5411			0.0000			0.0000
Off-Road	1.6179	7.7501	14.4518	0.0363		0.2340	0.2340		0.2340	0.2340	0.0000	3,439.720 1	3,439.720 1	0.1437		3,443.3117
Total	1.6179	7.7501	14.4518	0.0363	3.1872	0.2340	3.4212	1.5411	0.2340	1.7751	0.0000	3,439.720 1	3,439.720 1	0.1437		3,443.311 7

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0348	1.8987	0.4821	8.0900e-003	0.2612	0.0150	0.2762	0.0715	0.0144	0.0859		885.2445	885.2445	0.0360	0.1404	927.9913
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0331	0.0128	0.2723	8.5000e-004	0.1141	3.9000e-004	0.1145	0.0303	3.6000e-004	0.0306		85.5162	85.5162	1.5700e-003	1.8100e-003	86.0939
Total	0.0679	1.9115	0.7544	8.9400e-003	0.3753	0.0154	0.3907	0.1018	0.0147	0.1165		970.7607	970.7607	0.0376	0.1422	1,014.085 2

Innovation Park CNU Phase 3C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0445	1.7137	0.5322	6.9400e-003	0.2529	9.3900e-003	0.2623	0.0728	8.9800e-003	0.0818		745.5055	745.5055	0.0182	0.1107	778.9393
Worker	0.4763	0.1850	3.9206	0.0122	1.6431	5.6500e-003	1.6488	0.4359	5.2000e-003	0.4411		1,231.4326	1,231.4326	0.0226	0.0260	1,239.7523
Total	0.5208	1.8987	4.4528	0.0191	1.8960	0.0150	1.9110	0.5086	0.0142	0.5228		1,976.9380	1,976.9380	0.0409	0.1367	2,018.6916

Innovation Park CNU Phase 3C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0445	1.7137	0.5322	6.9400e-003	0.2529	9.3900e-003	0.2623	0.0728	8.9800e-003	0.0818		745.5055	745.5055	0.0182	0.1107	778.9393
Worker	0.4763	0.1850	3.9206	0.0122	1.6431	5.6500e-003	1.6488	0.4359	5.2000e-003	0.4411		1,231.4326	1,231.4326	0.0226	0.0260	1,239.7523
Total	0.5208	1.8987	4.4528	0.0191	1.8960	0.0150	1.9110	0.5086	0.0142	0.5228		1,976.9380	1,976.9380	0.0409	0.1367	2,018.6916

Innovation Park CNU Phase 3C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0435	1.6923	0.5286	6.8200e-003	0.2529	9.2200e-003	0.2621	0.0728	8.8200e-003	0.0816		733.0069	733.0069	0.0179	0.1090	765.9216
Worker	0.4484	0.1739	3.7805	0.0119	1.6431	5.2800e-003	1.6484	0.4359	4.8600e-003	0.4407		1,204.9803	1,204.9803	0.0210	0.0252	1,213.0285
Total	0.4919	1.8662	4.3091	0.0187	1.8960	0.0145	1.9105	0.5086	0.0137	0.5223		1,937.9872	1,937.9872	0.0390	0.1342	1,978.9501

Innovation Park CNU Phase 3C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0435	1.6923	0.5286	6.8200e-003	0.2529	9.2200e-003	0.2621	0.0728	8.8200e-003	0.0816		733.0069	733.0069	0.0179	0.1090	765.9216
Worker	0.4484	0.1739	3.7805	0.0119	1.6431	5.2800e-003	1.6484	0.4359	4.8600e-003	0.4407		1,204.9803	1,204.9803	0.0210	0.0252	1,213.0285
Total	0.4919	1.8662	4.3091	0.0187	1.8960	0.0145	1.9105	0.5086	0.0137	0.5223		1,937.9872	1,937.9872	0.0390	0.1342	1,978.9501

Innovation Park CNU Phase 3C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0311	0.0121	0.2625	8.3000e-004	0.1141	3.7000e-004	0.1145	0.0303	3.4000e-004	0.0306		83.6792	83.6792	1.4600e-003	1.7500e-003	84.2381
Total	0.0311	0.0121	0.2625	8.3000e-004	0.1141	3.7000e-004	0.1145	0.0303	3.4000e-004	0.0306		83.6792	83.6792	1.4600e-003	1.7500e-003	84.2381

Innovation Park CNU Phase 3C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0311	0.0121	0.2625	8.3000e-004	0.1141	3.7000e-004	0.1145	0.0303	3.4000e-004	0.0306		83.6792	83.6792	1.4600e-003	1.7500e-003	84.2381
Total	0.0311	0.0121	0.2625	8.3000e-004	0.1141	3.7000e-004	0.1145	0.0303	3.4000e-004	0.0306		83.6792	83.6792	1.4600e-003	1.7500e-003	84.2381

Innovation Park CNU Phase 3C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	72.4985					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	72.6293	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0893	0.0346	0.7526	2.3700e-003	0.3271	1.0500e-003	0.3282	0.0868	9.7000e-004	0.0877		239.8803	239.8803	4.1800e-003	5.0300e-003	241.4825
Total	0.0893	0.0346	0.7526	2.3700e-003	0.3271	1.0500e-003	0.3282	0.0868	9.7000e-004	0.0877		239.8803	239.8803	4.1800e-003	5.0300e-003	241.4825

Innovation Park CNU Phase 3C - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	72.4985					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	72.6293	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0893	0.0346	0.7526	2.3700e-003	0.3271	1.0500e-003	0.3282	0.0868	9.7000e-004	0.0877		239.8803	239.8803	4.1800e-003	5.0300e-003	241.4825
Total	0.0893	0.0346	0.7526	2.3700e-003	0.3271	1.0500e-003	0.3282	0.0868	9.7000e-004	0.0877		239.8803	239.8803	4.1800e-003	5.0300e-003	241.4825

Innovation Park CNU Phase 3D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Innovation Park CNU Phase 3D

Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Day-Care Center	15.00	1000sqft	0.34	15,000.00	0
Health Club	30.00	1000sqft	0.69	30,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2031
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	357.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Daycare and health club construction only

Land Use - Daycare and Health Club

Construction Phase - Adjusted Schedule

Grading -

Trips and VMT - 20 haul trucks/day for demo, site prep, and grading

Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMPs

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Innovation Park CNU Phase 3D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	11.00
tblConstructionPhase	NumDays	200.00	225.00
tblConstructionPhase	NumDays	20.00	18.00
tblConstructionPhase	NumDays	4.00	5.00
tblConstructionPhase	NumDays	10.00	11.00
tblConstructionPhase	PhaseEndDate	7/28/2031	9/1/2031

Innovation Park CNU Phase 3D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	PhaseEndDate	6/30/2031	7/31/2031
tblConstructionPhase	PhaseEndDate	9/13/2030	9/11/2030
tblConstructionPhase	PhaseEndDate	9/23/2030	9/20/2030
tblConstructionPhase	PhaseEndDate	7/14/2031	8/15/2031
tblConstructionPhase	PhaseEndDate	9/17/2030	9/13/2030
tblConstructionPhase	PhaseStartDate	7/15/2031	8/18/2031
tblConstructionPhase	PhaseStartDate	9/24/2030	9/20/2030
tblConstructionPhase	PhaseStartDate	9/18/2030	9/16/2030
tblConstructionPhase	PhaseStartDate	7/1/2031	8/1/2031
tblConstructionPhase	PhaseStartDate	9/14/2030	9/12/2030
tblTripsAndVMT	HaulingTripNumber	0.00	360.00
tblTripsAndVMT	HaulingTripNumber	0.00	100.00
tblTripsAndVMT	HaulingTripNumber	0.00	40.00

2.0 Emissions Summary

Innovation Park CNU Phase 3D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	2.3761	15.9394	21.3281	0.0626	7.6936	0.3353	8.0289	3.5907	0.3343	3.9250	0.0000	6,010.8389	6,010.8389	0.2550	0.2092	6,079.5465
2031	38.0618	7.4855	12.5307	0.0260	0.1867	0.1731	0.3157	0.0505	0.1731	0.1993	0.0000	2,380.8181	2,380.8181	0.1012	0.0204	2,389.4206
Maximum	38.0618	15.9394	21.3281	0.0626	7.6936	0.3353	8.0289	3.5907	0.3343	3.9250	0.0000	6,010.8389	6,010.8389	0.2550	0.2092	6,079.5465

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	0.6630	7.6467	25.2891	0.0626	3.7982	0.0863	3.8845	1.7071	0.0853	1.7924	0.0000	6,010.8389	6,010.8389	0.2550	0.2092	6,079.5465
2031	37.9607	4.0094	13.5448	0.0260	0.1867	0.0323	0.2190	0.0505	0.0322	0.0827	0.0000	2,380.8181	2,380.8181	0.1012	0.0204	2,389.4206
Maximum	37.9607	7.6467	25.2891	0.0626	3.7982	0.0863	3.8845	1.7071	0.0853	1.7924	0.0000	6,010.8389	6,010.8389	0.2550	0.2092	6,079.5465

Innovation Park CNU Phase 3D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0777	4.0000e-005	4.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.8500e-003	9.8500e-003	3.0000e-005		0.0105
Energy	0.0382	0.3475	0.2919	2.0900e-003		0.0264	0.0264		0.0264	0.0264		417.0508	417.0508	7.9900e-003	7.6500e-003	419.5291
Mobile	3.4327	2.2714	19.4405	0.0358	4.2107	0.0245	4.2352	1.1219	0.0228	1.1447		3,653.3804	3,653.3804	0.2813	0.1993	3,719.8082
Total	4.5487	2.6190	19.7370	0.0379	4.2107	0.0509	4.2616	1.1219	0.0493	1.1711		4,070.4411	4,070.4411	0.2894	0.2070	4,139.3478

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0777	4.0000e-005	4.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.8500e-003	9.8500e-003	3.0000e-005		0.0105
Energy	0.0382	0.3475	0.2919	2.0900e-003		0.0264	0.0264		0.0264	0.0264		417.0508	417.0508	7.9900e-003	7.6500e-003	419.5291
Mobile	3.4327	2.2714	19.4405	0.0358	4.2107	0.0245	4.2352	1.1219	0.0228	1.1447		3,653.3804	3,653.3804	0.2813	0.1993	3,719.8082
Total	4.5487	2.6190	19.7370	0.0379	4.2107	0.0509	4.2616	1.1219	0.0493	1.1711		4,070.4411	4,070.4411	0.2894	0.2070	4,139.3478

Innovation Park CNU Phase 3D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/19/2030	9/11/2030	5	18	
2	Site Preparation	Site Preparation	9/12/2030	9/13/2030	5	2	
3	Grading	Grading	9/16/2030	9/20/2030	5	5	
4	Building Construction	Building Construction	9/20/2030	7/31/2031	5	225	
5	Paving	Paving	8/1/2031	8/15/2031	5	11	
6	Architectural Coating	Architectural Coating	8/18/2031	9/1/2031	5	11	

Acres of Grading (Site Preparation Phase): 1.88

Acres of Grading (Grading Phase): 5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 67,500; Non-Residential Outdoor: 22,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20

Innovation Park CNU Phase 3D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	4.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	19.00	7.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	5	13.00	0.00	360.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	100.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	40.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Innovation Park CNU Phase 3D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Water Exposed Area

3.2 Demolition - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3307	8.0078	12.9685	0.0281		0.2148	0.2148		0.2148	0.2148		2,662.1297	2,662.1297	0.1177		2,665.0713
Total	1.3307	8.0078	12.9685	0.0281		0.2148	0.2148		0.2148	0.2148		2,662.1297	2,662.1297	0.1177		2,665.0713

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0465	2.5316	0.6428	0.0108	0.3483	0.0200	0.3683	0.0953	0.0192	0.1145		1,180.3260	1,180.3260	0.0481	0.1872	1,237.3217
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0287	0.0111	0.2360	7.3000e-004	0.0989	3.4000e-004	0.0992	0.0262	3.1000e-004	0.0265		74.1140	74.1140	1.3600e-003	1.5700e-003	74.6147
Total	0.0751	2.5427	0.8787	0.0115	0.4472	0.0204	0.4676	0.1216	0.0195	0.1410		1,254.4400	1,254.4400	0.0494	0.1888	1,311.9364

Innovation Park CNU Phase 3D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2811	1.2179	14.7184	0.0281		0.0375	0.0375		0.0375	0.0375	0.0000	2,662.1297	2,662.1297	0.1177		2,665.0713
Total	0.2811	1.2179	14.7184	0.0281		0.0375	0.0375		0.0375	0.0375	0.0000	2,662.1297	2,662.1297	0.1177		2,665.0713

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0465	2.5316	0.6428	0.0108	0.3483	0.0200	0.3683	0.0953	0.0192	0.1145		1,180.3260	1,180.3260	0.0481	0.1872	1,237.3217
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0287	0.0111	0.2360	7.3000e-004	0.0989	3.4000e-004	0.0992	0.0262	3.1000e-004	0.0265		74.1140	74.1140	1.3600e-003	1.5700e-003	74.6147
Total	0.0751	2.5427	0.8787	0.0115	0.4472	0.0204	0.4676	0.1216	0.0195	0.1410		1,254.4400	1,254.4400	0.0494	0.1888	1,311.9364

Innovation Park CNU Phase 3D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2662	0.0000	6.2662	3.0041	0.0000	3.0041			0.0000			0.0000
Off-Road	0.9750	4.7401	5.9133	0.0211		0.1567	0.1567		0.1567	0.1567		1,994.6929	1,994.6929	0.0866		1,996.8585
Total	0.9750	4.7401	5.9133	0.0211	6.2662	0.1567	6.4229	3.0041	0.1567	3.1607		1,994.6929	1,994.6929	0.0866		1,996.8585

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0465	2.5316	0.6428	0.0108	0.3483	0.0200	0.3683	0.0953	0.0192	0.1145		1,180.3260	1,180.3260	0.0481	0.1872	1,237.3217
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0176	6.8500e-003	0.1452	4.5000e-004	0.0609	2.1000e-004	0.0611	0.0161	1.9000e-004	0.0163		45.6086	45.6086	8.4000e-004	9.6000e-004	45.9168
Total	0.0641	2.5384	0.7880	0.0112	0.4091	0.0202	0.4294	0.1115	0.0194	0.1308		1,225.9346	1,225.9346	0.0489	0.1882	1,283.2384

Innovation Park CNU Phase 3D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8198	0.0000	2.8198	1.3518	0.0000	1.3518			0.0000			0.0000
Off-Road	0.2106	0.9126	8.6714	0.0211		0.0281	0.0281		0.0281	0.0281	0.0000	1,994.6929	1,994.6929	0.0866		1,996.8585
Total	0.2106	0.9126	8.6714	0.0211	2.8198	0.0281	2.8479	1.3518	0.0281	1.3799	0.0000	1,994.6929	1,994.6929	0.0866		1,996.8585

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0465	2.5316	0.6428	0.0108	0.3483	0.0200	0.3683	0.0953	0.0192	0.1145		1,180.3260	1,180.3260	0.0481	0.1872	1,237.3217
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0176	6.8500e-003	0.1452	4.5000e-004	0.0609	2.1000e-004	0.0611	0.0161	1.9000e-004	0.0163		45.6086	45.6086	8.4000e-004	9.6000e-004	45.9168
Total	0.0641	2.5384	0.7880	0.0112	0.4091	0.0202	0.4294	0.1115	0.0194	0.1308		1,225.9346	1,225.9346	0.0489	0.1882	1,283.2384

Innovation Park CNU Phase 3D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.1771	5.9092	7.9601	0.0252		0.1859	0.1859		0.1859	0.1859		2,388.274 1	2,388.274 1	0.1046		2,390.888 0
Total	1.1771	5.9092	7.9601	0.0252	7.0826	0.1859	7.2685	3.4247	0.1859	3.6107		2,388.274 1	2,388.274 1	0.1046		2,390.888 0

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0465	2.5316	0.6428	0.0108	0.3483	0.0200	0.3683	0.0953	0.0192	0.1145		1,180.326 0	1,180.326 0	0.0481	0.1872	1,237.321 7
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0221	8.5600e-003	0.1815	5.6000e-004	0.0761	2.6000e-004	0.0763	0.0202	2.4000e-004	0.0204		57.0108	57.0108	1.0500e-003	1.2000e-003	57.3959
Total	0.0685	2.5402	0.8243	0.0114	0.4244	0.0203	0.4447	0.1155	0.0194	0.1349		1,237.336 8	1,237.336 8	0.0491	0.1884	1,294.717 6

Innovation Park CNU Phase 3D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1872	0.0000	3.1872	1.5411	0.0000	1.5411			0.0000			0.0000
Off-Road	0.2522	1.0927	10.9071	0.0252		0.0336	0.0336		0.0336	0.0336	0.0000	2,388.274 1	2,388.274 1	0.1046		2,390.888 0
Total	0.2522	1.0927	10.9071	0.0252	3.1872	0.0336	3.2208	1.5411	0.0336	1.5748	0.0000	2,388.274 1	2,388.274 1	0.1046		2,390.888 0

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0465	2.5316	0.6428	0.0108	0.3483	0.0200	0.3683	0.0953	0.0192	0.1145		1,180.326 0	1,180.326 0	0.0481	0.1872	1,237.321 7
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0221	8.5600e-003	0.1815	5.6000e-004	0.0761	2.6000e-004	0.0763	0.0202	2.4000e-004	0.0204		57.0108	57.0108	1.0500e-003	1.2000e-003	57.3959
Total	0.0685	2.5402	0.8243	0.0114	0.4244	0.0203	0.4447	0.1155	0.0194	0.1349		1,237.336 8	1,237.336 8	0.0491	0.1884	1,294.717 6

Innovation Park CNU Phase 3D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0812	7.1882	12.1101	0.0238		0.1270	0.1270		0.1270	0.1270		2,152.6566	2,152.6566	0.0964		2,155.0655
Total	1.0812	7.1882	12.1101	0.0238		0.1270	0.1270		0.1270	0.1270		2,152.6566	2,152.6566	0.0964		2,155.0655

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.4200e-003	0.2856	0.0887	1.1600e-003	0.0422	1.5700e-003	0.0437	0.0121	1.5000e-003	0.0136		124.2509	124.2509	3.0400e-003	0.0184	129.8232
Worker	0.0419	0.0163	0.3449	1.0700e-003	0.1445	5.0000e-004	0.1450	0.0383	4.6000e-004	0.0388		108.3205	108.3205	1.9900e-003	2.2900e-003	109.0523
Total	0.0493	0.3019	0.4336	2.2300e-003	0.1867	2.0700e-003	0.1887	0.0505	1.9600e-003	0.0524		232.5714	232.5714	5.0300e-003	0.0207	238.8755

Innovation Park CNU Phase 3D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2930	3.7120	13.1241	0.0238		0.0303	0.0303		0.0303	0.0303	0.0000	2,152.6566	2,152.6566	0.0964		2,155.0655
Total	0.2930	3.7120	13.1241	0.0238		0.0303	0.0303		0.0303	0.0303	0.0000	2,152.6566	2,152.6566	0.0964		2,155.0655

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.4200e-003	0.2856	0.0887	1.1600e-003	0.0422	1.5700e-003	0.0437	0.0121	1.5000e-003	0.0136		124.2509	124.2509	3.0400e-003	0.0184	129.8232
Worker	0.0419	0.0163	0.3449	1.0700e-003	0.1445	5.0000e-004	0.1450	0.0383	4.6000e-004	0.0388		108.3205	108.3205	1.9900e-003	2.2900e-003	109.0523
Total	0.0493	0.3019	0.4336	2.2300e-003	0.1867	2.0700e-003	0.1887	0.0505	1.9600e-003	0.0524		232.5714	232.5714	5.0300e-003	0.0207	238.8755

Innovation Park CNU Phase 3D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0812	7.1882	12.1101	0.0238		0.1270	0.1270		0.1270	0.1270		2,152.6566	2,152.6566	0.0964		2,155.0655
Total	1.0812	7.1882	12.1101	0.0238		0.1270	0.1270		0.1270	0.1270		2,152.6566	2,152.6566	0.0964		2,155.0655

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.2500e-003	0.2821	0.0881	1.1400e-003	0.0421	1.5400e-003	0.0437	0.0121	1.4700e-003	0.0136		122.1678	122.1678	2.9900e-003	0.0182	127.6536
Worker	0.0394	0.0153	0.3326	1.0500e-003	0.1445	4.6000e-004	0.1450	0.0383	4.3000e-004	0.0388		105.9936	105.9936	1.8500e-003	2.2200e-003	106.7016
Total	0.0467	0.2974	0.4207	2.1900e-003	0.1867	2.0000e-003	0.1887	0.0505	1.9000e-003	0.0524		228.1615	228.1615	4.8400e-003	0.0204	234.3552

Innovation Park CNU Phase 3D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2930	3.7120	13.1241	0.0238		0.0303	0.0303		0.0303	0.0303	0.0000	2,152.6566	2,152.6566	0.0964		2,155.0655
Total	0.2930	3.7120	13.1241	0.0238		0.0303	0.0303		0.0303	0.0303	0.0000	2,152.6566	2,152.6566	0.0964		2,155.0655

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.2500e-003	0.2821	0.0881	1.1400e-003	0.0421	1.5400e-003	0.0437	0.0121	1.4700e-003	0.0136		122.1678	122.1678	2.9900e-003	0.0182	127.6536
Worker	0.0394	0.0153	0.3326	1.0500e-003	0.1445	4.6000e-004	0.1450	0.0383	4.3000e-004	0.0388		105.9936	105.9936	1.8500e-003	2.2200e-003	106.7016
Total	0.0467	0.2974	0.4207	2.1900e-003	0.1867	2.0000e-003	0.1887	0.0505	1.9000e-003	0.0524		228.1615	228.1615	4.8400e-003	0.0204	234.3552

Innovation Park CNU Phase 3D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8162	4.3905	9.4567	0.0165		0.1728	0.1728		0.1728	0.1728		1,550.971 ₂	1,550.971 ₂	0.0731		1,552.798 ₃
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8162	4.3905	9.4567	0.0165		0.1728	0.1728		0.1728	0.1728		1,550.971₂	1,550.971₂	0.0731		1,552.798₃

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0270	0.0105	0.2275	7.2000e-004	0.0989	3.2000e-004	0.0992	0.0262	2.9000e-004	0.0265		72.5220	72.5220	1.2700e-003	1.5200e-003	73.0063
Total	0.0270	0.0105	0.2275	7.2000e-004	0.0989	3.2000e-004	0.0992	0.0262	2.9000e-004	0.0265		72.5220	72.5220	1.2700e-003	1.5200e-003	73.0063

Innovation Park CNU Phase 3D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0165		0.0213	0.0213		0.0213	0.0213	0.0000	1,550.971 ₂	1,550.971 ₂	0.0731		1,552.798 ₃
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1598	0.6922	9.8512	0.0165		0.0213	0.0213		0.0213	0.0213	0.0000	1,550.971₂	1,550.971₂	0.0731		1,552.798₃

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0270	0.0105	0.2275	7.2000e-004	0.0989	3.2000e-004	0.0992	0.0262	2.9000e-004	0.0265		72.5220	72.5220	1.2700e-003	1.5200e-003	73.0063
Total	0.0270	0.0105	0.2275	7.2000e-004	0.0989	3.2000e-004	0.0992	0.0262	2.9000e-004	0.0265		72.5220	72.5220	1.2700e-003	1.5200e-003	73.0063

Innovation Park CNU Phase 3D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.9227					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	38.0535	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3000e-003	3.2200e-003	0.0700	2.2000e-004	0.0304	1.0000e-004	0.0305	8.0700e-003	9.0000e-005	8.1600e-003		22.3145	22.3145	3.9000e-004	4.7000e-004	22.4635
Total	8.3000e-003	3.2200e-003	0.0700	2.2000e-004	0.0304	1.0000e-004	0.0305	8.0700e-003	9.0000e-005	8.1600e-003		22.3145	22.3145	3.9000e-004	4.7000e-004	22.4635

Innovation Park CNU Phase 3D - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.9227					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0114		281.7328
Total	37.9524	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0114		281.7328

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3000e-003	3.2200e-003	0.0700	2.2000e-004	0.0304	1.0000e-004	0.0305	8.0700e-003	9.0000e-005	8.1600e-003		22.3145	22.3145	3.9000e-004	4.7000e-004	22.4635
Total	8.3000e-003	3.2200e-003	0.0700	2.2000e-004	0.0304	1.0000e-004	0.0305	8.0700e-003	9.0000e-005	8.1600e-003		22.3145	22.3145	3.9000e-004	4.7000e-004	22.4635

Innovation Park CNU Phase 3E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Innovation Park CNU Phase 3E
Sacramento County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	14.40	1000sqft	0.33	14,400.00	0
Enclosed Parking Structure	48.00	Space	0.43	14,400.00	0
Congregate Care (Assisted Living)	100.00	Dwelling Unit	6.25	57,600.00	267

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2032
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	357.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - Active Senior Living BLDG
- Land Use - Active Senior Living Building
- Construction Phase - Adjusted Schedule
- Grading -
- Trips and VMT - 10 truck/day for demo, site prep. grading
- Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMPs

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Innovation Park CNU Phase 3E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	27.00
tblConstructionPhase	NumDays	230.00	308.00
tblConstructionPhase	NumDays	20.00	16.00
tblConstructionPhase	NumDays	20.00	17.00
tblConstructionPhase	NumDays	20.00	26.00

Innovation Park CNU Phase 3E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	PhaseEndDate	5/10/2032	8/30/2032
tblConstructionPhase	PhaseEndDate	3/15/2032	6/17/2032
tblConstructionPhase	PhaseEndDate	3/17/2031	3/11/2031
tblConstructionPhase	PhaseEndDate	4/28/2031	4/15/2031
tblConstructionPhase	PhaseEndDate	4/12/2032	7/23/2032
tblConstructionPhase	PhaseEndDate	3/31/2031	3/21/2031
tblConstructionPhase	PhaseStartDate	4/13/2032	7/26/2032
tblConstructionPhase	PhaseStartDate	4/29/2031	4/15/2031
tblConstructionPhase	PhaseStartDate	4/1/2031	3/24/2031
tblConstructionPhase	PhaseStartDate	3/16/2032	6/18/2032
tblConstructionPhase	PhaseStartDate	3/18/2031	3/12/2031
tblLandUse	LandUseSquareFeet	19,200.00	14,400.00
tblLandUse	LandUseSquareFeet	100,000.00	57,600.00
tblTripsAndVMT	HaulingTripNumber	0.00	160.00
tblTripsAndVMT	HaulingTripNumber	0.00	170.00
tblTripsAndVMT	HaulingTripNumber	0.00	80.00

2.0 Emissions Summary

Innovation Park CNU Phase 3E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2031	3.1688	17.6111	32.8345	0.0804	19.9681	0.4469	20.4150	10.1864	0.4465	10.6329	0.0000	7,725.3359	7,725.3359	0.2995	0.1423	7,775.2286
2032	31.9539	8.5958	17.7515	0.0379	0.7217	0.3310	0.8750	0.1935	0.3310	0.3612	0.0000	3,609.4527	3,609.4527	0.1301	0.0478	3,626.9576
Maximum	31.9539	17.6111	32.8345	0.0804	19.9681	0.4469	20.4150	10.1864	0.4465	10.6329	0.0000	7,725.3359	7,725.3359	0.2995	0.1423	7,775.2286

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2031	0.9327	5.7348	37.4387	0.0804	9.1567	0.1047	9.2290	4.6301	0.1040	4.7020	0.0000	7,725.3359	7,725.3359	0.2995	0.1423	7,775.2286
2032	31.8529	2.8959	19.0548	0.0379	0.7217	0.0459	0.7676	0.1935	0.0456	0.2391	0.0000	3,609.4527	3,609.4527	0.1301	0.0478	3,626.9576
Maximum	31.8529	5.7348	37.4387	0.0804	9.1567	0.1047	9.2290	4.6301	0.1040	4.7020	0.0000	7,725.3359	7,725.3359	0.2995	0.1423	7,775.2286

Innovation Park CNU Phase 3E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	6.65	67.07	-11.68	0.00	52.25	80.63	53.05	53.53	80.76	55.06	0.00	0.00	0.00	0.00	0.00	0.00

Innovation Park CNU Phase 3E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0278	0.0949	8.2347	4.4000e-004		0.0458	0.0458		0.0458	0.0458	0.0000	14.8689	14.8689	0.0142	0.0000	15.2236
Energy	0.0333	0.2880	0.1433	1.8200e-003		0.0230	0.0230		0.0230	0.0230		363.7502	363.7502	6.9700e-003	6.6700e-003	365.9118
Mobile	1.0906	0.9376	8.6517	0.0187	2.3125	0.0114	2.3238	0.6161	0.0106	0.6267		1,906.9110	1,906.9110	0.1177	0.0856	1,935.3612
Total	3.1517	1.3204	17.0297	0.0209	2.3125	0.0802	2.3926	0.6161	0.0794	0.6955	0.0000	2,285.5301	2,285.5301	0.1388	0.0923	2,316.4966

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0278	0.0949	8.2347	4.4000e-004		0.0458	0.0458		0.0458	0.0458	0.0000	14.8689	14.8689	0.0142	0.0000	15.2236
Energy	0.0333	0.2880	0.1433	1.8200e-003		0.0230	0.0230		0.0230	0.0230		363.7502	363.7502	6.9700e-003	6.6700e-003	365.9118
Mobile	1.0906	0.9376	8.6517	0.0187	2.3125	0.0114	2.3238	0.6161	0.0106	0.6267		1,906.9110	1,906.9110	0.1177	0.0856	1,935.3612
Total	3.1517	1.3204	17.0297	0.0209	2.3125	0.0802	2.3926	0.6161	0.0794	0.6955	0.0000	2,285.5301	2,285.5301	0.1388	0.0923	2,316.4966

Innovation Park CNU Phase 3E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/18/2031	3/11/2031	5	16	
2	Site Preparation	Site Preparation	3/12/2031	3/21/2031	5	8	
3	Grading	Grading	3/24/2031	4/15/2031	5	17	
4	Building Construction	Building Construction	4/15/2031	6/17/2032	5	308	
5	Paving	Paving	6/18/2032	7/23/2032	5	26	
6	Architectural Coating	Architectural Coating	7/26/2032	8/30/2032	5	27	

Acres of Grading (Site Preparation Phase): 12

Acres of Grading (Grading Phase): 17

Acres of Paving: 0.43

Residential Indoor: 116,640; Residential Outdoor: 38,880; Non-Residential Indoor: 21,600; Non-Residential Outdoor: 7,200; Striped Parking Area: 864 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38

Innovation Park CNU Phase 3E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	17.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	83.00	15.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	160.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	170.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	80.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Innovation Park CNU Phase 3E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511		4,378.5819	4,378.5819	0.1847		4,383.2000
Total	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511		4,378.5819	4,378.5819	0.1847		4,383.2000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0228	1.2431	0.3217	5.3000e-003	0.1741	9.8200e-003	0.1839	0.0477	9.3900e-003	0.0571		579.5768	579.5768	0.0237	0.0919	607.5651
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0311	0.0121	0.2625	8.3000e-004	0.1141	3.7000e-004	0.1145	0.0303	3.4000e-004	0.0306		83.6792	83.6792	1.4600e-003	1.7500e-003	84.2381
Total	0.0539	1.2551	0.5842	6.1300e-003	0.2882	0.0102	0.2984	0.0779	9.7300e-003	0.0877		663.2560	663.2560	0.0251	0.0937	691.8032

Innovation Park CNU Phase 3E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4623	2.0032	23.2798	0.0462		0.0616	0.0616		0.0616	0.0616	0.0000	4,378.5819	4,378.5819	0.1847		4,383.2000
Total	0.4623	2.0032	23.2798	0.0462		0.0616	0.0616		0.0616	0.0616	0.0000	4,378.5819	4,378.5819	0.1847		4,383.2000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0228	1.2431	0.3217	5.3000e-003	0.1741	9.8200e-003	0.1839	0.0477	9.3900e-003	0.0571		579.5768	579.5768	0.0237	0.0919	607.5651
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0311	0.0121	0.2625	8.3000e-004	0.1141	3.7000e-004	0.1145	0.0303	3.4000e-004	0.0306		83.6792	83.6792	1.4600e-003	1.7500e-003	84.2381
Total	0.0539	1.2551	0.5842	6.1300e-003	0.2882	0.0102	0.2984	0.0779	9.7300e-003	0.0877		663.2560	663.2560	0.0251	0.0937	691.8032

Innovation Park CNU Phase 3E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367		4,409.7537	4,409.7537	0.2176		4,415.1936
Total	2.4399	13.6680	16.2918	0.0466	19.6570	0.4367	20.0937	10.1025	0.4367	10.5391		4,409.7537	4,409.7537	0.2176		4,415.1936

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0228	1.2431	0.3217	5.3000e-003	0.1741	9.8200e-003	0.1839	0.0477	9.3900e-003	0.0571		579.5768	579.5768	0.0237	0.0919	607.5651
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0374	0.0145	0.3150	9.9000e-004	0.1369	4.4000e-004	0.1374	0.0363	4.1000e-004	0.0367		100.4150	100.4150	1.7500e-003	2.1000e-003	101.0857
Total	0.0601	1.2576	0.6367	6.2900e-003	0.3111	0.0103	0.3213	0.0840	9.8000e-003	0.0938		679.9918	679.9918	0.0254	0.0940	708.6508

Innovation Park CNU Phase 3E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0466		0.0621	0.0621		0.0621	0.0621	0.0000	4,409.7537	4,409.7537	0.2176		4,415.1936
Total	0.4656	2.0175	20.8690	0.0466	8.8457	0.0621	8.9077	4.5461	0.0621	4.6082	0.0000	4,409.7537	4,409.7537	0.2176		4,415.1936

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0228	1.2431	0.3217	5.3000e-003	0.1741	9.8200e-003	0.1839	0.0477	9.3900e-003	0.0571		579.5768	579.5768	0.0237	0.0919	607.5651
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0374	0.0145	0.3150	9.9000e-004	0.1369	4.4000e-004	0.1374	0.0363	4.1000e-004	0.0367		100.4150	100.4150	1.7500e-003	2.1000e-003	101.0857
Total	0.0601	1.2576	0.6367	6.2900e-003	0.3111	0.0103	0.3213	0.0840	9.8000e-003	0.0938		679.9918	679.9918	0.0254	0.0940	708.6508

Innovation Park CNU Phase 3E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.6179	7.7501	14.4518	0.0363		0.2340	0.2340		0.2340	0.2340		3,439.720 1	3,439.720 1	0.1437		3,443.311 7
Total	1.6179	7.7501	14.4518	0.0363	7.0826	0.2340	7.3166	3.4247	0.2340	3.6588		3,439.720 1	3,439.720 1	0.1437		3,443.311 7

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0228	1.2431	0.3217	5.3000e-003	0.1741	9.8200e-003	0.1839	0.0477	9.3900e-003	0.0571		579.5768	579.5768	0.0237	0.0919	607.5651
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0311	0.0121	0.2625	8.3000e-004	0.1141	3.7000e-004	0.1145	0.0303	3.4000e-004	0.0306		83.6792	83.6792	1.4600e-003	1.7500e-003	84.2381
Total	0.0539	1.2551	0.5842	6.1300e-003	0.2882	0.0102	0.2984	0.0779	9.7300e-003	0.0877		663.2560	663.2560	0.0251	0.0937	691.8032

Innovation Park CNU Phase 3E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1872	0.0000	3.1872	1.5411	0.0000	1.5411			0.0000			0.0000
Off-Road	0.3632	1.5737	17.7527	0.0363		0.0484	0.0484		0.0484	0.0484	0.0000	3,439.720 1	3,439.720 1	0.1437		3,443.311 7
Total	0.3632	1.5737	17.7527	0.0363	3.1872	0.0484	3.2356	1.5411	0.0484	1.5896	0.0000	3,439.720 1	3,439.720 1	0.1437		3,443.311 7

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0228	1.2431	0.3217	5.3000e-003	0.1741	9.8200e-003	0.1839	0.0477	9.3900e-003	0.0571		579.5768	579.5768	0.0237	0.0919	607.5651
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0311	0.0121	0.2625	8.3000e-004	0.1141	3.7000e-004	0.1145	0.0303	3.4000e-004	0.0306		83.6792	83.6792	1.4600e-003	1.7500e-003	84.2381
Total	0.0539	1.2551	0.5842	6.1300e-003	0.2882	0.0102	0.2984	0.0779	9.7300e-003	0.0877		663.2560	663.2560	0.0251	0.0937	691.8032

Innovation Park CNU Phase 3E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0155	0.6044	0.1888	2.4400e-003	0.0903	3.2900e-003	0.0936	0.0260	3.1500e-003	0.0291		261.7882	261.7882	6.4100e-003	0.0389	273.5434
Worker	0.1723	0.0668	1.4527	4.5800e-003	0.6314	2.0300e-003	0.6334	0.1675	1.8700e-003	0.1694		463.0248	463.0248	8.0800e-003	9.7000e-003	466.1174
Total	0.1878	0.6712	1.6415	7.0200e-003	0.7217	5.3200e-003	0.7270	0.1935	5.0200e-003	0.1985		724.8130	724.8130	0.0145	0.0486	739.6608

Innovation Park CNU Phase 3E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0155	0.6044	0.1888	2.4400e-003	0.0903	3.2900e-003	0.0936	0.0260	3.1500e-003	0.0291		261.7882	261.7882	6.4100e-003	0.0389	273.5434
Worker	0.1723	0.0668	1.4527	4.5800e-003	0.6314	2.0300e-003	0.6334	0.1675	1.8700e-003	0.1694		463.0248	463.0248	8.0800e-003	9.7000e-003	466.1174
Total	0.1878	0.6712	1.6415	7.0200e-003	0.7217	5.3200e-003	0.7270	0.1935	5.0200e-003	0.1985		724.8130	724.8130	0.0145	0.0486	739.6608

Innovation Park CNU Phase 3E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0152	0.5979	0.1880	2.4000e-003	0.0903	3.2400e-003	0.0935	0.0260	3.1000e-003	0.0291		257.8632	257.8632	6.3200e-003	0.0384	269.4558
Worker	0.1623	0.0633	1.4066	4.4900e-003	0.6314	1.9000e-003	0.6333	0.1675	1.7500e-003	0.1692		454.0427	454.0427	7.5400e-003	9.4600e-003	457.0490
Total	0.1776	0.6612	1.5945	6.8900e-003	0.7217	5.1400e-003	0.7268	0.1935	4.8500e-003	0.1983		711.9059	711.9059	0.0139	0.0478	726.5048

Innovation Park CNU Phase 3E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0152	0.5979	0.1880	2.4000e-003	0.0903	3.2400e-003	0.0935	0.0260	3.1000e-003	0.0291		257.8632	257.8632	6.3200e-003	0.0384	269.4558
Worker	0.1623	0.0633	1.4066	4.4900e-003	0.6314	1.9000e-003	0.6333	0.1675	1.7500e-003	0.1692		454.0427	454.0427	7.5400e-003	9.4600e-003	457.0490
Total	0.1776	0.6612	1.5945	6.8900e-003	0.7217	5.1400e-003	0.7268	0.1935	4.8500e-003	0.1983		711.9059	711.9059	0.0139	0.0478	726.5048

Innovation Park CNU Phase 3E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0293	0.0115	0.2542	8.1000e-004	0.1141	3.4000e-004	0.1145	0.0303	3.2000e-004	0.0306		82.0559	82.0559	1.3600e-003	1.7100e-003	82.5992
Total	0.0293	0.0115	0.2542	8.1000e-004	0.1141	3.4000e-004	0.1145	0.0303	3.2000e-004	0.0306		82.0559	82.0559	1.3600e-003	1.7100e-003	82.5992

Innovation Park CNU Phase 3E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0281		0.0374	0.0374		0.0374	0.0374	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2805	1.2154	17.2957	0.0281		0.0374	0.0374		0.0374	0.0374	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0293	0.0115	0.2542	8.1000e-004	0.1141	3.4000e-004	0.1145	0.0303	3.2000e-004	0.0306		82.0559	82.0559	1.3600e-003	1.7100e-003	82.5992
Total	0.0293	0.0115	0.2542	8.1000e-004	0.1141	3.4000e-004	0.1145	0.0303	3.2000e-004	0.0306		82.0559	82.0559	1.3600e-003	1.7100e-003	82.5992

Innovation Park CNU Phase 3E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	31.7899					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	31.9207	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0333	0.0130	0.2881	9.2000e-004	0.1293	3.9000e-004	0.1297	0.0343	3.6000e-004	0.0347		92.9967	92.9967	1.5400e-003	1.9400e-003	93.6125
Total	0.0333	0.0130	0.2881	9.2000e-004	0.1293	3.9000e-004	0.1297	0.0343	3.6000e-004	0.0347		92.9967	92.9967	1.5400e-003	1.9400e-003	93.6125

Innovation Park CNU Phase 3E - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	31.7899					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0114		281.7328
Total	31.8196	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0114		281.7328

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0333	0.0130	0.2881	9.2000e-004	0.1293	3.9000e-004	0.1297	0.0343	3.6000e-004	0.0347		92.9967	92.9967	1.5400e-003	1.9400e-003	93.6125
Total	0.0333	0.0130	0.2881	9.2000e-004	0.1293	3.9000e-004	0.1297	0.0343	3.6000e-004	0.0347		92.9967	92.9967	1.5400e-003	1.9400e-003	93.6125

Innovation Park CNU Phase 3F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Innovation Park CNU Phase 3F
Sacramento County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	1,200.00	Space	10.80	207,000.00	0
Strip Mall	50.00	1000sqft	1.15	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2032
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	357.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Parking/Retail Construction ONLY

Land Use - Retail + Parking structure 2

Construction Phase - Adjusted schedule

Grading -

Trips and VMT - 20 truck/day demo, site prep, and grading

Construction Off-road Equipment Mitigation - Tier 4 MM + dust BMPs

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Innovation Park CNU Phase 3F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	19.00
tblConstructionPhase	NumDays	300.00	293.00
tblConstructionPhase	NumDays	20.00	17.00
tblConstructionPhase	NumDays	30.00	26.00

Innovation Park CNU Phase 3F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	20.00	19.00
tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	PhaseEndDate	9/27/2032	8/31/2032
tblConstructionPhase	PhaseEndDate	8/2/2032	7/8/2032
tblConstructionPhase	PhaseEndDate	4/14/2031	4/9/2031
tblConstructionPhase	PhaseEndDate	6/9/2031	5/27/2031
tblConstructionPhase	PhaseEndDate	8/30/2032	8/4/2032
tblConstructionPhase	PhaseEndDate	4/28/2031	4/21/2031
tblConstructionPhase	PhaseStartDate	8/31/2032	8/5/2032
tblConstructionPhase	PhaseStartDate	6/10/2031	5/27/2031
tblConstructionPhase	PhaseStartDate	4/29/2031	4/22/2031
tblConstructionPhase	PhaseStartDate	8/3/2032	7/9/2032
tblConstructionPhase	PhaseStartDate	4/15/2031	4/10/2031
tblLandUse	LandUseSquareFeet	480,000.00	207,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	340.00
tblTripsAndVMT	HaulingTripNumber	0.00	520.00
tblTripsAndVMT	HaulingTripNumber	0.00	160.00

2.0 Emissions Summary

Innovation Park CNU Phase 3F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2031	4.9342	26.0583	42.5057	0.1251	20.1422	0.6679	20.5989	10.2341	0.6665	10.6899	0.0000	12,688.98 51	12,688.98 51	0.4850	0.3072	12,792.65 32
2032	27.5964	9.6872	18.4288	0.0433	1.0364	0.3310	1.1959	0.2806	0.3310	0.4396	0.0000	4,183.014 3	4,183.014 3	0.1433	0.1192	4,222.1103
Maximum	27.5964	26.0583	42.5057	0.1251	20.1422	0.6679	20.5989	10.2341	0.6665	10.6899	0.0000	12,688.98 51	12,688.98 51	0.4850	0.3072	12,792.65 32

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2031	1.4338	9.8122	53.7842	0.1251	9.3308	0.1742	9.4130	4.6777	0.1727	4.7590	0.0000	12,688.98 51	12,688.98 51	0.4850	0.3072	12,792.65 32
2032	27.4953	3.9873	19.7321	0.0433	1.0364	0.0522	1.0886	0.2806	0.0516	0.3322	0.0000	4,183.014 3	4,183.014 3	0.1433	0.1192	4,222.1103
Maximum	27.4953	9.8122	53.7842	0.1251	9.3308	0.1742	9.4130	4.6777	0.1727	4.7590	0.0000	12,688.98 51	12,688.98 51	0.4850	0.3072	12,792.65 32

Innovation Park CNU Phase 3F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	11.07	61.39	-20.65	0.00	51.05	77.34	51.82	52.84	77.51	54.25	0.00	0.00	0.00	0.00	0.00	0.00

Innovation Park CNU Phase 3F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2977	1.1400e-003	0.1270	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2736	0.2736	7.1000e-004		0.2912
Energy	7.9300e-003	0.0721	0.0606	4.3000e-004		5.4800e-003	5.4800e-003		5.4800e-003	5.4800e-003		86.5431	86.5431	1.6600e-003	1.5900e-003	87.0574
Mobile	4.3593	2.9376	25.5277	0.0477	5.7391	0.0313	5.7704	1.5290	0.0292	1.5581		4,866.2349	4,866.2349	0.3662	0.2615	4,953.3285
Total	5.6649	3.0109	25.7153	0.0481	5.7391	0.0372	5.7763	1.5290	0.0351	1.5641		4,953.0515	4,953.0515	0.3685	0.2631	5,040.6771

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2977	1.1400e-003	0.1270	1.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		0.2736	0.2736	7.1000e-004		0.2912
Energy	7.9300e-003	0.0721	0.0606	4.3000e-004		5.4800e-003	5.4800e-003		5.4800e-003	5.4800e-003		86.5431	86.5431	1.6600e-003	1.5900e-003	87.0574
Mobile	4.3593	2.9376	25.5277	0.0477	5.7391	0.0313	5.7704	1.5290	0.0292	1.5581		4,866.2349	4,866.2349	0.3662	0.2615	4,953.3285
Total	5.6649	3.0109	25.7153	0.0481	5.7391	0.0372	5.7763	1.5290	0.0351	1.5641		4,953.0515	4,953.0515	0.3685	0.2631	5,040.6771

Innovation Park CNU Phase 3F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/18/2031	4/9/2031	5	17	
2	Site Preparation	Site Preparation	4/10/2031	4/21/2031	5	8	
3	Grading	Grading	4/22/2031	5/27/2031	5	26	
4	Building Construction	Building Construction	5/27/2031	7/8/2032	5	293	
5	Paving	Paving	7/9/2032	8/4/2032	5	19	
6	Architectural Coating	Architectural Coating	8/5/2032	8/31/2032	5	19	

Acres of Grading (Site Preparation Phase): 12

Acres of Grading (Grading Phase): 78

Acres of Paving: 10.8

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 75,000; Non-Residential Outdoor: 25,000; Striped Parking Area: 12,420 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	2	8.00	158	0.38

Innovation Park CNU Phase 3F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	21.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	103.00	42.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	340.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	520.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	160.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Innovation Park CNU Phase 3F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511		4,378.5819	4,378.5819	0.1847		4,383.2000
Total	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511		4,378.5819	4,378.5819	0.1847		4,383.2000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0456	2.4861	0.6434	0.0106	0.3482	0.0196	0.3679	0.0953	0.0188	0.1141		1,159.1536	1,159.1536	0.0473	0.1839	1,215.1301
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0311	0.0121	0.2625	8.3000e-004	0.1141	3.7000e-004	0.1145	0.0303	3.4000e-004	0.0306		83.6792	83.6792	1.4600e-003	1.7500e-003	84.2381
Total	0.0767	2.4982	0.9059	0.0114	0.4623	0.0200	0.4824	0.1256	0.0191	0.1447		1,242.8328	1,242.8328	0.0488	0.1856	1,299.3682

Innovation Park CNU Phase 3F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4623	2.0032	23.2798	0.0462		0.0616	0.0616		0.0616	0.0616	0.0000	4,378.5819	4,378.5819	0.1847		4,383.2000
Total	0.4623	2.0032	23.2798	0.0462		0.0616	0.0616		0.0616	0.0616	0.0000	4,378.5819	4,378.5819	0.1847		4,383.2000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0456	2.4861	0.6434	0.0106	0.3482	0.0196	0.3679	0.0953	0.0188	0.1141		1,159.1536	1,159.1536	0.0473	0.1839	1,215.1301
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0311	0.0121	0.2625	8.3000e-004	0.1141	3.7000e-004	0.1145	0.0303	3.4000e-004	0.0306		83.6792	83.6792	1.4600e-003	1.7500e-003	84.2381
Total	0.0767	2.4982	0.9059	0.0114	0.4623	0.0200	0.4824	0.1256	0.0191	0.1447		1,242.8328	1,242.8328	0.0488	0.1856	1,299.3682

Innovation Park CNU Phase 3F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367		4,409.7537	4,409.7537	0.2176		4,415.1936
Total	2.4399	13.6680	16.2918	0.0466	19.6570	0.4367	20.0937	10.1025	0.4367	10.5391		4,409.7537	4,409.7537	0.2176		4,415.1936

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0456	2.4861	0.6434	0.0106	0.3482	0.0196	0.3679	0.0953	0.0188	0.1141		1,159.1536	1,159.1536	0.0473	0.1839	1,215.1301
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0374	0.0145	0.3150	9.9000e-004	0.1369	4.4000e-004	0.1374	0.0363	4.1000e-004	0.0367		100.4150	100.4150	1.7500e-003	2.1000e-003	101.0857
Total	0.0829	2.5006	0.9584	0.0116	0.4852	0.0201	0.5053	0.1316	0.0192	0.1508		1,259.5686	1,259.5686	0.0491	0.1860	1,316.2158

Innovation Park CNU Phase 3F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0466		0.0621	0.0621		0.0621	0.0621	0.0000	4,409.7537	4,409.7537	0.2176		4,415.1936
Total	0.4656	2.0175	20.8690	0.0466	8.8457	0.0621	8.9077	4.5461	0.0621	4.6082	0.0000	4,409.7537	4,409.7537	0.2176		4,415.1936

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0456	2.4861	0.6434	0.0106	0.3482	0.0196	0.3679	0.0953	0.0188	0.1141		1,159.1536	1,159.1536	0.0473	0.1839	1,215.1301
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0374	0.0145	0.3150	9.9000e-004	0.1369	4.4000e-004	0.1374	0.0363	4.1000e-004	0.0367		100.4150	100.4150	1.7500e-003	2.1000e-003	101.0857
Total	0.0829	2.5006	0.9584	0.0116	0.4852	0.0201	0.5053	0.1316	0.0192	0.1508		1,259.5686	1,259.5686	0.0491	0.1860	1,316.2158

Innovation Park CNU Phase 3F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.2807	13.8462	23.0239	0.0699		0.4879	0.4879		0.4879	0.4879		7,213.1086	7,213.1086	0.2915		7,220.3963
Total	3.2807	13.8462	23.0239	0.0699	9.2036	0.4879	9.6915	3.6538	0.4879	4.1417		7,213.1086	7,213.1086	0.2915		7,220.3963

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0456	2.4861	0.6434	0.0106	0.3482	0.0196	0.3679	0.0953	0.0188	0.1141		1,159.1536	1,159.1536	0.0473	0.1839	1,215.1301
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0415	0.0161	0.3501	1.1000e-003	0.1521	4.9000e-004	0.1526	0.0404	4.5000e-004	0.0408		111.5723	111.5723	1.9500e-003	2.3400e-003	112.3175
Total	0.0871	2.5022	0.9934	0.0117	0.5004	0.0201	0.5205	0.1357	0.0192	0.1549		1,270.7258	1,270.7258	0.0493	0.1862	1,327.4476

Innovation Park CNU Phase 3F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1416	0.0000	4.1416	1.6442	0.0000	1.6442			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0699		0.1015	0.1015		0.1015	0.1015	0.0000	7,213.1086	7,213.1086	0.2915		7,220.3963
Total	0.7616	3.3000	32.9991	0.0699	4.1416	0.1015	4.2432	1.6442	0.1015	1.7457	0.0000	7,213.1086	7,213.1086	0.2915		7,220.3963

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0456	2.4861	0.6434	0.0106	0.3482	0.0196	0.3679	0.0953	0.0188	0.1141		1,159.1536	1,159.1536	0.0473	0.1839	1,215.1301
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0415	0.0161	0.3501	1.1000e-003	0.1521	4.9000e-004	0.1526	0.0404	4.5000e-004	0.0408		111.5723	111.5723	1.9500e-003	2.3400e-003	112.3175
Total	0.0871	2.5022	0.9934	0.0117	0.5004	0.0201	0.5205	0.1357	0.0192	0.1549		1,270.7258	1,270.7258	0.0493	0.1862	1,327.4476

Innovation Park CNU Phase 3F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0435	1.6923	0.5286	6.8200e-003	0.2529	9.2200e-003	0.2621	0.0728	8.8200e-003	0.0816		733.0069	733.0069	0.0179	0.1090	765.9216
Worker	0.2138	0.0829	1.8027	5.6800e-003	0.7835	2.5200e-003	0.7860	0.2078	2.3200e-003	0.2102		574.5971	574.5971	0.0100	0.0120	578.4349
Total	0.2573	1.7753	2.3314	0.0125	1.0364	0.0117	1.0481	0.2806	0.0111	0.2917		1,307.6040	1,307.6040	0.0280	0.1210	1,344.3565

Innovation Park CNU Phase 3F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0435	1.6923	0.5286	6.8200e-003	0.2529	9.2200e-003	0.2621	0.0728	8.8200e-003	0.0816		733.0069	733.0069	0.0179	0.1090	765.9216
Worker	0.2138	0.0829	1.8027	5.6800e-003	0.7835	2.5200e-003	0.7860	0.2078	2.3200e-003	0.2102		574.5971	574.5971	0.0100	0.0120	578.4349
Total	0.2573	1.7753	2.3314	0.0125	1.0364	0.0117	1.0481	0.2806	0.0111	0.2917		1,307.6040	1,307.6040	0.0280	0.1210	1,344.3565

Innovation Park CNU Phase 3F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0427	1.6740	0.5263	6.7200e-003	0.2529	9.0700e-003	0.2619	0.0728	8.6700e-003	0.0814		722.0169	722.0169	0.0177	0.1074	754.4761
Worker	0.2014	0.0786	1.7455	5.5700e-003	0.7835	2.3600e-003	0.7859	0.2078	2.1700e-003	0.2100		563.4506	563.4506	9.3600e-003	0.0117	567.1813
Total	0.2441	1.7526	2.2718	0.0123	1.0364	0.0114	1.0478	0.2806	0.0108	0.2914		1,285.4675	1,285.4675	0.0270	0.1192	1,321.6574

Innovation Park CNU Phase 3F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.3278	2.2347	17.4603	0.0310		0.0408	0.0408		0.0408	0.0408	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0427	1.6740	0.5263	6.7200e-003	0.2529	9.0700e-003	0.2619	0.0728	8.6700e-003	0.0814		722.0169	722.0169	0.0177	0.1074	754.4761
Worker	0.2014	0.0786	1.7455	5.5700e-003	0.7835	2.3600e-003	0.7859	0.2078	2.1700e-003	0.2100		563.4506	563.4506	9.3600e-003	0.0117	567.1813
Total	0.2441	1.7526	2.2718	0.0123	1.0364	0.0114	1.0478	0.2806	0.0108	0.2914		1,285.4675	1,285.4675	0.0270	0.1192	1,321.6574

Innovation Park CNU Phase 3F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0293	0.0115	0.2542	8.1000e-004	0.1141	3.4000e-004	0.1145	0.0303	3.2000e-004	0.0306		82.0559	82.0559	1.3600e-003	1.7100e-003	82.5992
Total	0.0293	0.0115	0.2542	8.1000e-004	0.1141	3.4000e-004	0.1145	0.0303	3.2000e-004	0.0306		82.0559	82.0559	1.3600e-003	1.7100e-003	82.5992

Innovation Park CNU Phase 3F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0281		0.0374	0.0374		0.0374	0.0374	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2805	1.2154	17.2957	0.0281		0.0374	0.0374		0.0374	0.0374	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0293	0.0115	0.2542	8.1000e-004	0.1141	3.4000e-004	0.1145	0.0303	3.2000e-004	0.0306		82.0559	82.0559	1.3600e-003	1.7100e-003	82.5992
Total	0.0293	0.0115	0.2542	8.1000e-004	0.1141	3.4000e-004	0.1145	0.0303	3.2000e-004	0.0306		82.0559	82.0559	1.3600e-003	1.7100e-003	82.5992

Innovation Park CNU Phase 3F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.4246					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	27.5553	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0411	0.0160	0.3559	1.1400e-003	0.1598	4.8000e-004	0.1602	0.0424	4.4000e-004	0.0428		114.8783	114.8783	1.9100e-003	2.3900e-003	115.6389
Total	0.0411	0.0160	0.3559	1.1400e-003	0.1598	4.8000e-004	0.1602	0.0424	4.4000e-004	0.0428		114.8783	114.8783	1.9100e-003	2.3900e-003	115.6389

Innovation Park CNU Phase 3F - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.4246					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0114		281.7328
Total	27.4543	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0114		281.7328

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0411	0.0160	0.3559	1.1400e-003	0.1598	4.8000e-004	0.1602	0.0424	4.4000e-004	0.0428		114.8783	114.8783	1.9100e-003	2.3900e-003	115.6389
Total	0.0411	0.0160	0.3559	1.1400e-003	0.1598	4.8000e-004	0.1602	0.0424	4.4000e-004	0.0428		114.8783	114.8783	1.9100e-003	2.3900e-003	115.6389

C1 -3 CalEEMod Operational
Outputs
(Combined CNU and PUD)

Innovation Park (w/ CNU) - Operations - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Innovation Park (w/ CNU) - Operations

Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	466.30	1000sqft	8.35	466,304.00	0
Hospital	1,421.80	1000sqft	14.36	1,421,800.00	0
Day-Care Center	30.00	1000sqft	0.30	30,000.00	0
Elementary School	261.40	1000sqft	6.00	261,360.00	0
University/College (4yr)	5,500.00	Student	5.46	540,000.00	0
General Heavy Industry	161.00	1000sqft	2.95	161,026.00	0
Enclosed Parking Structure	718.00	Space	2.36	233,600.00	0
Enclosed Parking with Elevator	2,390.00	Space	6.22	616,000.00	0
Parking Lot	1,742.40	1000sqft	40.00	1,742,400.00	0
City Park	7.20	Acre	7.20	313,632.00	0
Health Club	487.40	1000sqft	10.80	487,380.00	0
Hotel	150.00	Room	3.77	217,800.00	0
Apartments Mid Rise	2,193.00	Dwelling Unit	26.39	2,003,036.00	5855
Condo/townhouse	474.00	Dwelling Unit	18.30	474,000.00	1266
Congregate Care (Assisted Living)	100.00	Dwelling Unit	0.58	57,600.00	267
Single Family Housing	307.00	Dwelling Unit	25.60	552,600.00	820
Strip Mall	330.20	1000sqft	5.16	330,198.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6	Operational Year		2035	
Utility Company	Sacramento Municipal Utility District				

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

CO2 Intensity (lb/MW hr)	357.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004
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1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operational Emissions ONLY

Land Use - Innovation Park + CNU

Construction Phase - Operations Only, Construction does not apply

Vehicle Trips - From traffic report

Energy Use - Separate CalEEMod run for energy use.

Operational Off-Road Equipment -

Stationary Sources - Emergency Generators and Fire Pumps - four 3MW EG's w/ 50 hour permit limits for O&M

Grading -

Architectural Coating -

Trips and VMT -

Area Coating -

Solid Waste -

Water And Wastewater -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	3.10	0.00
tblEnergyUse	LightingElect	3.10	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	4.57	0.00
tblEnergyUse	LightingElect	3.71	0.00
tblEnergyUse	LightingElect	4.57	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblEnergyUse	LightingElect	4.98	0.00
tblEnergyUse	LightingElect	2.88	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	LightingElect	5.33	0.00
tblEnergyUse	LightingElect	3.03	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	3,795.01	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	2.17	0.00
tblEnergyUse	NT24E	2.17	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24E	7.20	0.00
tblEnergyUse	NT24E	5.75	0.00
tblEnergyUse	NT24E	7.20	0.00
tblEnergyUse	NT24E	6.17	0.00
tblEnergyUse	NT24E	3.33	0.00
tblEnergyUse	NT24E	6,155.97	0.00
tblEnergyUse	NT24E	2.98	0.00
tblEnergyUse	NT24E	2.09	0.00
tblEnergyUse	NT24NG	2,687.00	0.00
tblEnergyUse	NT24NG	2,687.00	0.00
tblEnergyUse	NT24NG	2,687.00	0.00
tblEnergyUse	NT24NG	0.66	0.00
tblEnergyUse	NT24NG	0.66	0.00
tblEnergyUse	NT24NG	12.42	0.00
tblEnergyUse	NT24NG	0.68	0.00
tblEnergyUse	NT24NG	12.42	0.00
tblEnergyUse	NT24NG	9.61	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblEnergyUse	NT24NG	5.53	0.00
tblEnergyUse	NT24NG	2,687.00	0.00
tblEnergyUse	NT24NG	0.93	0.00
tblEnergyUse	NT24NG	0.23	0.00
tblEnergyUse	T24E	98.18	0.00
tblEnergyUse	T24E	80.14	0.00
tblEnergyUse	T24E	98.18	0.00
tblEnergyUse	T24E	1.83	0.00
tblEnergyUse	T24E	1.83	0.00
tblEnergyUse	T24E	3.50	0.00
tblEnergyUse	T24E	3.50	0.00
tblEnergyUse	T24E	3.05	0.00
tblEnergyUse	T24E	4.44	0.00
tblEnergyUse	T24E	3.05	0.00
tblEnergyUse	T24E	8.20	0.00
tblEnergyUse	T24E	3.21	0.00
tblEnergyUse	T24E	142.58	0.00
tblEnergyUse	T24E	2.91	0.00
tblEnergyUse	T24E	3.01	0.00
tblEnergyUse	T24NG	6,729.23	0.00
tblEnergyUse	T24NG	16,185.01	0.00
tblEnergyUse	T24NG	6,729.23	0.00
tblEnergyUse	T24NG	14.46	0.00
tblEnergyUse	T24NG	14.46	0.00
tblEnergyUse	T24NG	23.15	0.00
tblEnergyUse	T24NG	12.30	0.00
tblEnergyUse	T24NG	23.15	0.00
tblEnergyUse	T24NG	57.33	0.00
tblEnergyUse	T24NG	32.71	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblEnergyUse	T24NG	20,971.81	0.00
tblEnergyUse	T24NG	4.44	0.00
tblEnergyUse	T24NG	25.75	0.00
tblLandUse	GreenSpaceAllowEdit	1.00	0.00
tblLandUse	LandUseSquareFeet	466,300.00	466,304.00
tblLandUse	LandUseSquareFeet	261,400.00	261,360.00
tblLandUse	LandUseSquareFeet	1,010,886.08	540,000.00
tblLandUse	LandUseSquareFeet	161,000.00	161,026.00
tblLandUse	LandUseSquareFeet	287,200.00	233,600.00
tblLandUse	LandUseSquareFeet	956,000.00	616,000.00
tblLandUse	LandUseSquareFeet	487,400.00	487,380.00
tblLandUse	LandUseSquareFeet	2,193,000.00	2,003,036.00
tblLandUse	LandUseSquareFeet	100,000.00	57,600.00
tblLandUse	LandUseSquareFeet	330,200.00	330,198.00
tblLandUse	LotAcreage	10.70	8.35
tblLandUse	LotAcreage	32.64	14.36
tblLandUse	LotAcreage	0.69	0.30
tblLandUse	LotAcreage	23.21	5.46
tblLandUse	LotAcreage	3.70	2.95
tblLandUse	LotAcreage	6.46	2.36
tblLandUse	LotAcreage	21.51	6.22
tblLandUse	LotAcreage	11.19	10.80
tblLandUse	LotAcreage	5.00	3.77
tblLandUse	LotAcreage	57.71	26.39
tblLandUse	LotAcreage	29.63	18.30
tblLandUse	LotAcreage	6.25	0.58
tblLandUse	LotAcreage	99.68	25.60
tblLandUse	LotAcreage	7.58	5.16
tblVehicleTrips	CC_TL	5.00	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CNW_TL	6.50	0.00
tblVehicleTrips	CNW_TL	6.50	2.69
tblVehicleTrips	CNW_TL	6.50	2.69
tblVehicleTrips	CNW_TL	6.50	0.00
tblVehicleTrips	CNW_TL	6.50	2.69
tblVehicleTrips	CNW_TL	6.50	2.69
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	2.69
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	2.69
tblVehicleTrips	CW_TL	10.00	2.69
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	2.69
tblVehicleTrips	CW_TL	10.00	2.69

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	12.70	0.00
tblVehicleTrips	CW_TTP	65.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	33.00	100.00
tblVehicleTrips	CW_TTP	16.90	0.00
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	CW_TTP	19.40	100.00
tblVehicleTrips	CW_TTP	16.60	100.00
tblVehicleTrips	CW_TTP	6.40	100.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	58.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	39.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	DV_TP	9.00	0.00
tblVehicleTrips	HO_TL	6.50	6.59
tblVehicleTrips	HO_TL	6.50	6.59
tblVehicleTrips	HO_TL	6.50	6.59
tblVehicleTrips	HO_TL	6.50	6.59
tblVehicleTrips	HO_TTP	41.00	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	HO_TTP	41.00	0.00
tblVehicleTrips	HO_TTP	41.00	0.00
tblVehicleTrips	HO_TTP	41.00	0.00
tblVehicleTrips	HS_TL	5.00	6.59
tblVehicleTrips	HS_TL	5.00	6.59
tblVehicleTrips	HS_TL	5.00	6.59
tblVehicleTrips	HS_TL	5.00	6.59
tblVehicleTrips	HS_TTP	12.50	0.00
tblVehicleTrips	HS_TTP	12.50	0.00
tblVehicleTrips	HS_TTP	12.50	0.00
tblVehicleTrips	HS_TTP	12.50	0.00
tblVehicleTrips	HW_TL	10.00	6.59
tblVehicleTrips	HW_TL	10.00	6.59
tblVehicleTrips	HW_TL	10.00	6.59
tblVehicleTrips	HW_TL	10.00	6.59
tblVehicleTrips	HW_TTP	46.50	100.00
tblVehicleTrips	HW_TTP	46.50	100.00
tblVehicleTrips	HW_TTP	46.50	100.00
tblVehicleTrips	HW_TTP	46.50	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	14.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	9.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	28.00	0.00
tblVehicleTrips	PR_TP	63.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	52.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	PR_TP	58.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	PR_TP	91.00	100.00
tblVehicleTrips	ST_TR	4.91	3.53
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	8.14	5.73
tblVehicleTrips	ST_TR	2.93	3.24
tblVehicleTrips	ST_TR	6.22	0.00
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	ST_TR	2.21	9.54
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	7.72	23.37
tblVehicleTrips	ST_TR	8.19	4.05
tblVehicleTrips	ST_TR	9.54	8.13
tblVehicleTrips	ST_TR	42.04	28.61

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	ST_TR	1.30	2.56
tblVehicleTrips	SU_TR	4.09	3.53
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	6.28	5.73
tblVehicleTrips	SU_TR	3.15	3.24
tblVehicleTrips	SU_TR	5.84	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	SU_TR	0.70	9.54
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	6.77	23.37
tblVehicleTrips	SU_TR	5.95	4.05
tblVehicleTrips	SU_TR	8.55	8.13
tblVehicleTrips	SU_TR	20.43	28.61
tblVehicleTrips	SU_TR	0.00	2.56
tblVehicleTrips	WD_TR	5.44	3.53
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	7.32	5.73
tblVehicleTrips	WD_TR	2.60	3.24
tblVehicleTrips	WD_TR	47.62	0.00
tblVehicleTrips	WD_TR	19.52	0.00
tblVehicleTrips	WD_TR	3.93	0.00
tblVehicleTrips	WD_TR	9.74	9.54
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	10.72	23.37
tblVehicleTrips	WD_TR	8.36	4.05
tblVehicleTrips	WD_TR	9.44	8.13
tblVehicleTrips	WD_TR	44.32	28.61
tblVehicleTrips	WD_TR	1.56	2.56

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	33.6316	0.3660	31.7631	1.6900e-003		0.1764	0.1764		0.1764	0.1764	0.0000	52.1224	52.1224	0.0502	0.0000	53.3766
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	18.4732	18.1117	148.1483	0.2608	34.1810	0.1673	34.3483	9.1295	0.1562	9.2857	0.0000	26,077.3995	26,077.3995	2.0513	1.4542	26,562.0321
Stationary	0.6605	2.9539	1.6842	3.1700e-003		0.0972	0.0972		0.0972	0.0972	0.0000	306.5418	306.5418	0.0430	0.0000	307.6162
Waste						0.0000	0.0000		0.0000	0.0000	4,504.8201	0.0000	4,504.8201	266.2272	0.0000	11,160.5011
Water						0.0000	0.0000		0.0000	0.0000	203.9782	633.4913	837.4696	0.7605	0.4507	990.7793
Total	52.7654	21.4315	181.5957	0.2656	34.1810	0.4409	34.6219	9.1295	0.4297	9.5593	4,708.7983	27,069.5549	31,778.3533	269.1322	1.9049	39,074.3053

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	33.6316	0.3660	31.7631	1.6900e-003		0.1764	0.1764		0.1764	0.1764	0.0000	52.1224	52.1224	0.0502	0.0000	53.3766
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	18.4732	18.1117	148.1483	0.2608	34.1810	0.1673	34.3483	9.1295	0.1562	9.2857	0.0000	26,077.3995	26,077.3995	2.0513	1.4542	26,562.0321
Stationary	0.6605	2.9539	1.6842	3.1700e-003		0.0972	0.0972		0.0972	0.0972	0.0000	306.5418	306.5418	0.0430	0.0000	307.6162
Waste						0.0000	0.0000		0.0000	0.0000	4,504.8201	0.0000	4,504.8201	266.2272	0.0000	11,160.5011
Water						0.0000	0.0000		0.0000	0.0000	203.9782	633.4913	837.4696	0.7605	0.4507	990.7793
Total	52.7654	21.4315	181.5957	0.2656	34.1810	0.4409	34.6219	9.1295	0.4297	9.5593	4,708.7983	27,069.5549	31,778.3533	269.1322	1.9049	39,074.3053

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

~~**3.0 Construction Detail**~~

~~**Construction Phase**~~

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	2/24/2023	5	200	
2	Site Preparation	Site Preparation	2/25/2023	11/3/2023	5	120	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2045

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1241	0.0787	1.5016	5.3400e-003	0.8887	1.6300e-003	0.8903	0.2364	1.5000e-003	0.2379	0.0000	550.4167	550.4167	6.3000e-003	0.0119	554.1166
Total	0.1241	0.0787	1.5016	5.3400e-003	0.8887	1.6300e-003	0.8903	0.2364	1.5000e-003	0.2379	0.0000	550.4167	550.4167	6.3000e-003	0.0119	554.1166

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	18.4732	18.1117	148.1483	0.2608	34.1810	0.1673	34.3483	9.1295	0.1562	9.2857	0.0000	26,077.3995	26,077.3995	2.0513	1.4542	26,562.0321
Unmitigated	18.4732	18.1117	148.1483	0.2608	34.1810	0.1673	34.3483	9.1295	0.1562	9.2857	0.0000	26,077.3995	26,077.3995	2.0513	1.4542	26,562.0321

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	7,741.29	7,741.29	7741.29	18,569,497	18,569,497
City Park	0.00	0.00	0.00		
Condo/townhouse	2,716.02	2,716.02	2716.02	6,515,080	6,515,080
Congregate Care (Assisted Living)	324.00	324.00	324.00	777,198	777,198
Day-Care Center	0.00	0.00	0.00		
Elementary School	0.00	0.00	0.00		
Enclosed Parking Structure	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Heavy Industry	0.00	0.00	0.00		
General Office Building	4,448.50	4,448.50	4448.50	4,355,795	4,355,795
Health Club	0.00	0.00	0.00		
Hospital	33,227.47	33,227.47	33227.47	32,535,006	32,535,006
Hotel	607.50	607.50	607.50	594,840	594,840
Parking Lot	0.00	0.00	0.00		
Single Family Housing	2,495.91	2,495.91	2495.91	5,987,089	5,987,089
Strip Mall	9,447.02	9,447.02	9447.02	9,250,146	9,250,146
University/College (4yr)	14,080.00	14,080.00	14080.00	13,786,573	13,786,573
Total	75,087.71	75,087.71	75,087.71	92,371,224	92,371,224

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-C	Primary	Diverted	Pass-by
Apartments Mid Rise	6.59	6.59	6.59	100.00	0.00	0.00	100	0	0
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Condo/townhouse	6.59	6.59	6.59	100.00	0.00	0.00	100	0	0
Congregate Care (Assisted Living)	6.59	6.59	6.59	100.00	0.00	0.00	100	0	0
Day-Care Center	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Elementary School	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Heavy Industry	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	2.69	2.69	2.69	100.00	0.00	0.00	100	0	0
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Hospital	2.69	2.69	2.69	100.00	0.00	0.00	100	0	0
Hotel	2.69	2.69	2.69	100.00	0.00	0.00	100	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Single Family Housing	6.59	6.59	6.59	100.00	0.00	0.00	100	0	0
Strip Mall	2.69	2.69	2.69	100.00	0.00	0.00	100	0	0
University/College (4yr)	2.69	2.69	2.69	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
City Park	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
Condo/townhouse	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
Congregate Care (Assisted Living)	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
Day-Care Center	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
Elementary School	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
Enclosed Parking Structure	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
Enclosed Parking with Elevator	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
General Heavy Industry	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - Natural Gas

Unmitigated

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - Natural Gas

Mitigated

Innovation Park (w/ CNU) - Operations - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

Innovation Park (w/ CNU) - Operations - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/townhouse	0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	0	0.0000	0.0000	0.0000	0.0000
Day-Care Center	0	0.0000	0.0000	0.0000	0.0000
Elementary School	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000
University/College (4yr)	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Mitigated

Innovation Park (w/ CNU) - Operations - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/townhouse	0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	0	0.0000	0.0000	0.0000	0.0000
Day-Care Center	0	0.0000	0.0000	0.0000	0.0000
Elementary School	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000
University/College (4yr)	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Innovation Park (w/ CNU) - Operations - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	33.6316	0.3660	31.7631	1.6900e-003		0.1764	0.1764		0.1764	0.1764	0.0000	52.1224	52.1224	0.0502	0.0000	53.3766
Unmitigated	33.6316	0.3660	31.7631	1.6900e-003		0.1764	0.1764		0.1764	0.1764	0.0000	52.1224	52.1224	0.0502	0.0000	53.3766

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.9282					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	28.7431					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.9604	0.3660	31.7631	1.6900e-003		0.1764	0.1764		0.1764	0.1764	0.0000	52.1224	52.1224	0.0502	0.0000	53.3766
Total	33.6316	0.3660	31.7631	1.6900e-003		0.1764	0.1764		0.1764	0.1764	0.0000	52.1224	52.1224	0.0502	0.0000	53.3766

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.9282					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	28.7431					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.9604	0.3660	31.7631	1.6900e-003		0.1764	0.1764		0.1764	0.1764	0.0000	52.1224	52.1224	0.0502	0.0000	53.3766
Total	33.6316	0.3660	31.7631	1.6900e-003		0.1764	0.1764		0.1764	0.1764	0.0000	52.1224	52.1224	0.0502	0.0000	53.3766

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	837.4696	0.7605	0.4507	990.7793
Unmitigated	837.4696	0.7605	0.4507	990.7793

7.2 Water by Land Use

Unmitigated

Innovation Park (w/ CNU) - Operations - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	142.883 / 90.0783	217.3461	0.1894	0.1118	255.3962
City Park	0 / 8.57867	4.8754	4.5000e-004	5.0000e-005	4.9029
Condo/townhouse	30.883 / 19.4697	46.9777	0.0409	0.0242	55.2019
Congregate Care (Assisted Living)	6.5154 / 4.10754	9.9109	8.6400e-003	5.1000e-003	11.6460
Day-Care Center	1.28669 / 3.30862	3.3766	1.8400e-003	1.0200e-003	3.7272
Elementary School	7.57979 / 19.4909	19.8913	0.0108	6.0200e-003	21.9569
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	37.2313 / 0	43.2948	0.0481	0.0290	53.1344
General Office Building	82.8772 / 50.7957	125.2429	0.1098	0.0648	147.3088
Health Club	28.8264 / 17.6678	43.5620	0.0382	0.0226	51.2369
Hospital	178.408 / 33.9825	226.7769	0.2323	0.1391	274.0362
Hotel	3.80502 / 0.422779	4.6650	4.9400e-003	2.9600e-003	5.6719
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	20.0023 / 12.6101	30.4265	0.0265	0.0157	35.7531
Strip Mall	24.4587 / 14.9908	36.9617	0.0324	0.0191	43.4738
University/College (4yr)	11.7761 / 18.4189	24.1618	0.0162	9.2800e-003	27.3330
Total		837.4696	0.7605	0.4506	990.7793

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	142.883 / 90.0783	217.3461	0.1894	0.1118	255.3962
City Park	0 / 8.57867	4.8754	4.5000e-004	5.0000e-005	4.9029
Condo/townhouse	30.883 / 19.4697	46.9777	0.0409	0.0242	55.2019
Congregate Care (Assisted Living)	6.5154 / 4.10754	9.9109	8.6400e-003	5.1000e-003	11.6460
Day-Care Center	1.28669 / 3.30862	3.3766	1.8400e-003	1.0200e-003	3.7272
Elementary School	7.57979 / 19.4909	19.8913	0.0108	6.0200e-003	21.9569
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	37.2313 / 0	43.2948	0.0481	0.0290	53.1344
General Office Building	82.8772 / 50.7957	125.2429	0.1098	0.0648	147.3088
Health Club	28.8264 / 17.6678	43.5620	0.0382	0.0226	51.2369
Hospital	178.408 / 33.9825	226.7769	0.2323	0.1391	274.0362
Hotel	3.80502 / 0.422779	4.6650	4.9400e-003	2.9600e-003	5.6719
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	20.0023 / 12.6101	30.4265	0.0265	0.0157	35.7531
Strip Mall	24.4587 / 14.9908	36.9617	0.0324	0.0191	43.4738
University/College (4yr)	11.7761 / 18.4189	24.1618	0.0162	9.2800e-003	27.3330
Total		837.4696	0.7605	0.4506	990.7793

Innovation Park (w/ CNU) - Operations - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4,504.820	266.2272	0.0000	11,160.50
	1			11
Unmitigated	4,504.820	266.2272	0.0000	11,160.50
	1			11

8.2 Waste by Land Use

Unmitigated

Innovation Park (w/ CNU) - Operations - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	1008.78	204.7732	12.1018	0.0000	507.3170
City Park	0.62	0.1259	7.4400e-003	0.0000	0.3118
Condo/townhouse	218.04	44.2602	2.6157	0.0000	109.6527
Congregate Care (Assisted Living)	91.25	18.5229	1.0947	0.0000	45.8898
Day-Care Center	39	7.9167	0.4679	0.0000	19.6132
Elementary School	339.82	68.9804	4.0766	0.0000	170.8960
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	199.64	40.5251	2.3950	0.0000	100.3993
General Office Building	433.66	88.0291	5.2024	0.0000	218.0883
Health Club	2778.18	563.9454	33.3282	0.0000	1,397.1509
Hospital	15355.4	3,117.0156	184.2103	0.0000	7,722.2741
Hotel	82.13	16.6717	0.9853	0.0000	41.3033
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	295.2	59.9229	3.5413	0.0000	148.4565
Strip Mall	346.71	70.3790	4.1593	0.0000	174.3610
University/College (4yr)	1003.75	203.7522	12.0414	0.0000	504.7874
Total		4,504.8201	266.2272	0.0000	11,160.5011

Innovation Park (w/ CNU) - Operations - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Mitigated

Innovation Park (w/ CNU) - Operations - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	1008.78	204.7732	12.1018	0.0000	507.3170
City Park	0.62	0.1259	7.4400e-003	0.0000	0.3118
Condo/townhouse	218.04	44.2602	2.6157	0.0000	109.6527
Congregate Care (Assisted Living)	91.25	18.5229	1.0947	0.0000	45.8898
Day-Care Center	39	7.9167	0.4679	0.0000	19.6132
Elementary School	339.82	68.9804	4.0766	0.0000	170.8960
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	199.64	40.5251	2.3950	0.0000	100.3993
General Office Building	433.66	88.0291	5.2024	0.0000	218.0883
Health Club	2778.18	563.9454	33.3282	0.0000	1,397.1509
Hospital	15355.4	3,117.0156	184.2103	0.0000	7,722.2741
Hotel	82.13	16.6717	0.9853	0.0000	41.3033
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	295.2	59.9229	3.5413	0.0000	148.4565
Strip Mall	346.71	70.3790	4.1593	0.0000	174.3610
University/College (4yr)	1003.75	203.7522	12.0414	0.0000	504.7874
Total		4,504.8201	266.2272	0.0000	11,160.5011

Innovation Park (w/ CNU) - Operations - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	4	1	50	4025	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.6605	2.9539	1.6842	3.1700e-003		0.0972	0.0972		0.0972	0.0972	0.0000	306.5418	306.5418	0.0430	0.0000	307.6162
Total	0.6605	2.9539	1.6842	3.1700e-003		0.0972	0.0972		0.0972	0.0972	0.0000	306.5418	306.5418	0.0430	0.0000	307.6162

Innovation Park (w/ CNU) - Operations - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

11.0 Vegetation

Innovation Park (w/ CNU) - Operations - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Innovation Park (w/ CNU) - Operations

Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	466.30	1000sqft	8.35	466,304.00	0
Hospital	1,421.80	1000sqft	14.36	1,421,800.00	0
Day-Care Center	30.00	1000sqft	0.30	30,000.00	0
Elementary School	261.40	1000sqft	6.00	261,360.00	0
University/College (4yr)	5,500.00	Student	5.46	540,000.00	0
General Heavy Industry	161.00	1000sqft	2.95	161,026.00	0
Enclosed Parking Structure	718.00	Space	2.36	233,600.00	0
Enclosed Parking with Elevator	2,390.00	Space	6.22	616,000.00	0
Parking Lot	1,742.40	1000sqft	40.00	1,742,400.00	0
City Park	7.20	Acre	7.20	313,632.00	0
Health Club	487.40	1000sqft	10.80	487,380.00	0
Hotel	150.00	Room	3.77	217,800.00	0
Apartments Mid Rise	2,193.00	Dwelling Unit	26.39	2,003,036.00	5855
Condo/townhouse	474.00	Dwelling Unit	18.30	474,000.00	1266
Congregate Care (Assisted Living)	100.00	Dwelling Unit	0.58	57,600.00	267
Single Family Housing	307.00	Dwelling Unit	25.60	552,600.00	820
Strip Mall	330.20	1000sqft	5.16	330,198.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6	Operational Year	2035		
Utility Company	Sacramento Municipal Utility District				

Innovation Park (w/ CNU) - Operations - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

CO2 Intensity (lb/MW hr) 357.98 **CH4 Intensity (lb/MW hr)** 0.033 **N2O Intensity (lb/MW hr)** 0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operational Emissions ONLY

Land Use - Innovation Park + CNU

Construction Phase - Operations Only, Construction does not apply

Vehicle Trips - From traffic report

Energy Use - Separate CalEEMod run for energy use.

Operational Off-Road Equipment -

Stationary Sources - Emergency Generators and Fire Pumps - four 3MW EG's w/ 50 hour permit limits for O&M

Grading -

Architectural Coating -

Trips and VMT -

Area Coating -

Solid Waste -

Water And Wastewater -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	3.10	0.00
tblEnergyUse	LightingElect	3.10	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	4.57	0.00
tblEnergyUse	LightingElect	3.71	0.00
tblEnergyUse	LightingElect	4.57	0.00

Innovation Park (w/ CNU) - Operations - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblEnergyUse	LightingElect	4.98	0.00
tblEnergyUse	LightingElect	2.88	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	LightingElect	5.33	0.00
tblEnergyUse	LightingElect	3.03	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	3,795.01	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	2.17	0.00
tblEnergyUse	NT24E	2.17	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24E	7.20	0.00
tblEnergyUse	NT24E	5.75	0.00
tblEnergyUse	NT24E	7.20	0.00
tblEnergyUse	NT24E	6.17	0.00
tblEnergyUse	NT24E	3.33	0.00
tblEnergyUse	NT24E	6,155.97	0.00
tblEnergyUse	NT24E	2.98	0.00
tblEnergyUse	NT24E	2.09	0.00
tblEnergyUse	NT24NG	2,687.00	0.00
tblEnergyUse	NT24NG	2,687.00	0.00
tblEnergyUse	NT24NG	2,687.00	0.00
tblEnergyUse	NT24NG	0.66	0.00
tblEnergyUse	NT24NG	0.66	0.00
tblEnergyUse	NT24NG	12.42	0.00
tblEnergyUse	NT24NG	0.68	0.00
tblEnergyUse	NT24NG	12.42	0.00
tblEnergyUse	NT24NG	9.61	0.00

Innovation Park (w/ CNU) - Operations - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblEnergyUse	NT24NG	5.53	0.00
tblEnergyUse	NT24NG	2,687.00	0.00
tblEnergyUse	NT24NG	0.93	0.00
tblEnergyUse	NT24NG	0.23	0.00
tblEnergyUse	T24E	98.18	0.00
tblEnergyUse	T24E	80.14	0.00
tblEnergyUse	T24E	98.18	0.00
tblEnergyUse	T24E	1.83	0.00
tblEnergyUse	T24E	1.83	0.00
tblEnergyUse	T24E	3.50	0.00
tblEnergyUse	T24E	3.50	0.00
tblEnergyUse	T24E	3.05	0.00
tblEnergyUse	T24E	4.44	0.00
tblEnergyUse	T24E	3.05	0.00
tblEnergyUse	T24E	8.20	0.00
tblEnergyUse	T24E	3.21	0.00
tblEnergyUse	T24E	142.58	0.00
tblEnergyUse	T24E	2.91	0.00
tblEnergyUse	T24E	3.01	0.00
tblEnergyUse	T24NG	6,729.23	0.00
tblEnergyUse	T24NG	16,185.01	0.00
tblEnergyUse	T24NG	6,729.23	0.00
tblEnergyUse	T24NG	14.46	0.00
tblEnergyUse	T24NG	14.46	0.00
tblEnergyUse	T24NG	23.15	0.00
tblEnergyUse	T24NG	12.30	0.00
tblEnergyUse	T24NG	23.15	0.00
tblEnergyUse	T24NG	57.33	0.00
tblEnergyUse	T24NG	32.71	0.00

Innovation Park (w/ CNU) - Operations - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblEnergyUse	T24NG	20,971.81	0.00
tblEnergyUse	T24NG	4.44	0.00
tblEnergyUse	T24NG	25.75	0.00
tblLandUse	GreenSpaceAllowEdit	1.00	0.00
tblLandUse	LandUseSquareFeet	466,300.00	466,304.00
tblLandUse	LandUseSquareFeet	261,400.00	261,360.00
tblLandUse	LandUseSquareFeet	1,010,886.08	540,000.00
tblLandUse	LandUseSquareFeet	161,000.00	161,026.00
tblLandUse	LandUseSquareFeet	287,200.00	233,600.00
tblLandUse	LandUseSquareFeet	956,000.00	616,000.00
tblLandUse	LandUseSquareFeet	487,400.00	487,380.00
tblLandUse	LandUseSquareFeet	2,193,000.00	2,003,036.00
tblLandUse	LandUseSquareFeet	100,000.00	57,600.00
tblLandUse	LandUseSquareFeet	330,200.00	330,198.00
tblLandUse	LotAcreage	10.70	8.35
tblLandUse	LotAcreage	32.64	14.36
tblLandUse	LotAcreage	0.69	0.30
tblLandUse	LotAcreage	23.21	5.46
tblLandUse	LotAcreage	3.70	2.95
tblLandUse	LotAcreage	6.46	2.36
tblLandUse	LotAcreage	21.51	6.22
tblLandUse	LotAcreage	11.19	10.80
tblLandUse	LotAcreage	5.00	3.77
tblLandUse	LotAcreage	57.71	26.39
tblLandUse	LotAcreage	29.63	18.30
tblLandUse	LotAcreage	6.25	0.58
tblLandUse	LotAcreage	99.68	25.60
tblLandUse	LotAcreage	7.58	5.16
tblVehicleTrips	CC_TL	5.00	0.00

Innovation Park (w/ CNU) - Operations - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CNW_TL	6.50	0.00
tblVehicleTrips	CNW_TL	6.50	2.69
tblVehicleTrips	CNW_TL	6.50	2.69
tblVehicleTrips	CNW_TL	6.50	0.00
tblVehicleTrips	CNW_TL	6.50	2.69
tblVehicleTrips	CNW_TL	6.50	2.69
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	2.69
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	2.69
tblVehicleTrips	CW_TL	10.00	2.69
tblVehicleTrips	CW_TL	10.00	0.00
tblVehicleTrips	CW_TL	10.00	2.69
tblVehicleTrips	CW_TL	10.00	2.69

Innovation Park (w/ CNU) - Operations - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	12.70	0.00
tblVehicleTrips	CW_TTP	65.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	33.00	100.00
tblVehicleTrips	CW_TTP	16.90	0.00
tblVehicleTrips	CW_TTP	64.90	100.00
tblVehicleTrips	CW_TTP	19.40	100.00
tblVehicleTrips	CW_TTP	16.60	100.00
tblVehicleTrips	CW_TTP	6.40	100.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	58.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	39.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	DV_TP	9.00	0.00
tblVehicleTrips	HO_TL	6.50	6.59
tblVehicleTrips	HO_TL	6.50	6.59
tblVehicleTrips	HO_TL	6.50	6.59
tblVehicleTrips	HO_TL	6.50	6.59
tblVehicleTrips	HO_TTP	41.00	0.00

Innovation Park (w/ CNU) - Operations - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	HO_TTP	41.00	0.00
tblVehicleTrips	HO_TTP	41.00	0.00
tblVehicleTrips	HO_TTP	41.00	0.00
tblVehicleTrips	HS_TL	5.00	6.59
tblVehicleTrips	HS_TL	5.00	6.59
tblVehicleTrips	HS_TL	5.00	6.59
tblVehicleTrips	HS_TL	5.00	6.59
tblVehicleTrips	HS_TTP	12.50	0.00
tblVehicleTrips	HS_TTP	12.50	0.00
tblVehicleTrips	HS_TTP	12.50	0.00
tblVehicleTrips	HS_TTP	12.50	0.00
tblVehicleTrips	HW_TL	10.00	6.59
tblVehicleTrips	HW_TL	10.00	6.59
tblVehicleTrips	HW_TL	10.00	6.59
tblVehicleTrips	HW_TL	10.00	6.59
tblVehicleTrips	HW_TTP	46.50	100.00
tblVehicleTrips	HW_TTP	46.50	100.00
tblVehicleTrips	HW_TTP	46.50	100.00
tblVehicleTrips	HW_TTP	46.50	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	14.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	9.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00

Innovation Park (w/ CNU) - Operations - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	28.00	0.00
tblVehicleTrips	PR_TP	63.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	52.00	0.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	PR_TP	58.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	PR_TP	91.00	100.00
tblVehicleTrips	ST_TR	4.91	3.53
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	8.14	5.73
tblVehicleTrips	ST_TR	2.93	3.24
tblVehicleTrips	ST_TR	6.22	0.00
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	ST_TR	2.21	9.54
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	7.72	23.37
tblVehicleTrips	ST_TR	8.19	4.05
tblVehicleTrips	ST_TR	9.54	8.13
tblVehicleTrips	ST_TR	42.04	28.61

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	ST_TR	1.30	2.56
tblVehicleTrips	SU_TR	4.09	3.53
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	6.28	5.73
tblVehicleTrips	SU_TR	3.15	3.24
tblVehicleTrips	SU_TR	5.84	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	SU_TR	0.70	9.54
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	6.77	23.37
tblVehicleTrips	SU_TR	5.95	4.05
tblVehicleTrips	SU_TR	8.55	8.13
tblVehicleTrips	SU_TR	20.43	28.61
tblVehicleTrips	SU_TR	0.00	2.56
tblVehicleTrips	WD_TR	5.44	3.53
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	7.32	5.73
tblVehicleTrips	WD_TR	2.60	3.24
tblVehicleTrips	WD_TR	47.62	0.00
tblVehicleTrips	WD_TR	19.52	0.00
tblVehicleTrips	WD_TR	3.93	0.00
tblVehicleTrips	WD_TR	9.74	9.54
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	10.72	23.37
tblVehicleTrips	WD_TR	8.36	4.05
tblVehicleTrips	WD_TR	9.44	8.13
tblVehicleTrips	WD_TR	44.32	28.61
tblVehicleTrips	WD_TR	1.56	2.56

Innovation Park (w/ CNU) - Operations - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	186.7036	2.9281	254.1048	0.0135		1.4113	1.4113		1.4113	1.4113	0.0000	459.6405	459.6405	0.4424	0.0000	470.7008
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	135.1244	92.2465	833.3491	1.5365	194.4721	0.9198	195.3918	51.7981	0.8585	52.6565		169,463.2759	169,463.2759	11.6474	8.4641	172,276.7618
Stationary	26.4212	118.1538	67.3684	0.1270		3.8866	3.8866		3.8866	3.8866		13,516.1774	13,516.1774	1.8950		13,563.5516
Total	348.2491	213.3284	1,154.8224	1.6770	194.4721	6.2177	200.6898	51.7981	6.1564	57.9545	0.0000	183,439.0938	183,439.0938	13.9848	8.4641	186,311.0142

Innovation Park (w/ CNU) - Operations - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	186.7036	2.9281	254.1048	0.0135		1.4113	1.4113		1.4113	1.4113	0.0000	459.6405	459.6405	0.4424	0.0000	470.7008
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	135.1244	92.2465	833.3491	1.5365	194.4721	0.9198	195.3918	51.7981	0.8585	52.6565		169,463.2759	169,463.2759	11.6474	8.4641	172,276.7618
Stationary	26.4212	118.1538	67.3684	0.1270		3.8866	3.8866		3.8866	3.8866		13,516.1774	13,516.1774	1.8950		13,563.5516
Total	348.2491	213.3284	1,154.8224	1.6770	194.4721	6.2177	200.6898	51.7981	6.1564	57.9545	0.0000	183,439.0938	183,439.0938	13.9848	8.4641	186,311.0142

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

~~**3.0 Construction Detail**~~

~~**Construction Phase**~~

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	2/24/2023	5	200	
2	Site Preparation	Site Preparation	2/25/2023	11/3/2023	5	120	
3	Grading	Grading	11/4/2023	8/15/2025	5	310	
4	Building Construction	Building Construction	8/16/2025	6/12/2043	5	3100	

Innovation Park (w/ CNU) - Operations - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2045

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1008	0.5667	13.6655	0.0459	7.2190	0.0128	7.2318	1.9149	0.0117	1.9267		5,211.069 3	5,211.069 3	0.0506	0.0971	5,241.254 2
Total	1.1008	0.5667	13.6655	0.0459	7.2190	0.0128	7.2318	1.9149	0.0117	1.9267		5,211.069 3	5,211.069 3	0.0506	0.0971	5,241.254 2

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Innovation Park (w/ CNU) - Operations - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	135.1244	92.2465	833.3491	1.5365	194.4721	0.9198	195.3918	51.7981	0.8585	52.6565		169,463.2759	169,463.2759	11.6474	8.4641	172,276.7618
Unmitigated	135.1244	92.2465	833.3491	1.5365	194.4721	0.9198	195.3918	51.7981	0.8585	52.6565		169,463.2759	169,463.2759	11.6474	8.4641	172,276.7618

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	7,741.29	7,741.29	7741.29	18,569,497	18,569,497
City Park	0.00	0.00	0.00		
Condo/townhouse	2,716.02	2,716.02	2716.02	6,515,080	6,515,080
Congregate Care (Assisted Living)	324.00	324.00	324.00	777,198	777,198
Day-Care Center	0.00	0.00	0.00		
Elementary School	0.00	0.00	0.00		
Enclosed Parking Structure	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Heavy Industry	0.00	0.00	0.00		
General Office Building	4,448.50	4,448.50	4448.50	4,355,795	4,355,795
Health Club	0.00	0.00	0.00		
Hospital	33,227.47	33,227.47	33227.47	32,535,006	32,535,006
Hotel	607.50	607.50	607.50	594,840	594,840
Parking Lot	0.00	0.00	0.00		
Single Family Housing	2,495.91	2,495.91	2495.91	5,987,089	5,987,089
Strip Mall	9,447.02	9,447.02	9447.02	9,250,146	9,250,146
University/College (4yr)	14,080.00	14,080.00	14080.00	13,786,573	13,786,573
Total	75,087.71	75,087.71	75,087.71	92,371,224	92,371,224

Innovation Park (w/ CNU) - Operations - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-C	Primary	Diverted	Pass-by
Apartments Mid Rise	6.59	6.59	6.59	100.00	0.00	0.00	100	0	0
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Condo/townhouse	6.59	6.59	6.59	100.00	0.00	0.00	100	0	0
Congregate Care (Assisted)	6.59	6.59	6.59	100.00	0.00	0.00	100	0	0
Day-Care Center	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Elementary School	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Heavy Industry	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Office Building	2.69	2.69	2.69	100.00	0.00	0.00	100	0	0
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Hospital	2.69	2.69	2.69	100.00	0.00	0.00	100	0	0
Hotel	2.69	2.69	2.69	100.00	0.00	0.00	100	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Single Family Housing	6.59	6.59	6.59	100.00	0.00	0.00	100	0	0
Strip Mall	2.69	2.69	2.69	100.00	0.00	0.00	100	0	0
University/College (4yr)	2.69	2.69	2.69	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
City Park	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
Condo/townhouse	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
Congregate Care (Assisted Living)	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
Day-Care Center	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
Elementary School	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
Enclosed Parking Structure	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
Enclosed Parking with Elevator	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
General Heavy Industry	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329

Innovation Park (w/ CNU) - Operations - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

General Office Building	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
Health Club	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
Hospital	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
Hotel	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
Parking Lot	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
Single Family Housing	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
Strip Mall	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
University/College (4yr)	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

Innovation Park (w/ CNU) - Operations - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/townhouse	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Day-Care Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
University/College (4yr)	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Innovation Park (w/ CNU) - Operations - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - Natural Gas

Mitigated

Innovation Park (w/ CNU) - Operations - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/townhouse	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Day-Care Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
University/College (4yr)	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Innovation Park (w/ CNU) - Operations - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	186.7036	2.9281	254.1048	0.0135		1.4113	1.4113		1.4113	1.4113	0.0000	459.6405	459.6405	0.4424	0.0000	470.7008
Unmitigated	186.7036	2.9281	254.1048	0.0135		1.4113	1.4113		1.4113	1.4113	0.0000	459.6405	459.6405	0.4424	0.0000	470.7008

Innovation Park (w/ CNU) - Operations - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	21.5243					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	157.4962					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.6831	2.9281	254.1048	0.0135		1.4113	1.4113		1.4113	1.4113		459.6405	459.6405	0.4424		470.7008
Total	186.7036	2.9281	254.1048	0.0135		1.4113	1.4113		1.4113	1.4113	0.0000	459.6405	459.6405	0.4424	0.0000	470.7008

Innovation Park (w/ CNU) - Operations - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	21.5243					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	157.4962					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.6831	2.9281	254.1048	0.0135		1.4113	1.4113		1.4113	1.4113		459.6405	459.6405	0.4424		470.7008
Total	186.7036	2.9281	254.1048	0.0135		1.4113	1.4113		1.4113	1.4113	0.0000	459.6405	459.6405	0.4424	0.0000	470.7008

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Innovation Park (w/ CNU) - Operations - Sacramento County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	4	1	50	4025	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (750 - 9999 HP)	26.4212	118.1538	67.3684	0.1270		3.8866	3.8866		3.8866	3.8866		13,516.1774	13,516.1774	1.8950		13,563.5516
Total	26.4212	118.1538	67.3684	0.1270		3.8866	3.8866		3.8866	3.8866		13,516.1774	13,516.1774	1.8950		13,563.5516

11.0 Vegetation

C1 -4 Operational Energy
Emission Calculations
(Combined CNU and PUD)

Innovation Park and CNU Energy Emissions

Innovation Park				Energy Use		Pollutant lb/yr							
Sub Type	Land Use Type	Building SF	Dwelling Units	kWhr/yr	KBTU/yr	ROG	NOX	PM10	PM2_5	CO2	CH4	N2O	
Apartments Mid Rise	Residential	1735036	1693	6592068	15941677.4	172	1469	119	119	3259826	36	34	
City Park	Recreational	313632	0	0	0	0	0	0	0	0	0	0	
Condo/townhouse	Residential	474000	474	2311343	8945332.74	96	824	67	67	1537774	20	19	
Elementary School	Educational	261360	0	1855656	3951763.2	43	387	29	29	854601	9	9	
General Heavy Industry	Industrial	37026	0	548725.3	1317014.82	14	129	10	10	270175	3	3	
General Office Building	Commercial	365904	0	5086066	4749433.92	51	466	35	35	1626831	11	10	
Health Club	Recreational	457380	0	6778372	16269006.6	175	1595	121	121	3337459	37	35	
Hotel	Recreational	217800	150	2051676	8328672	90	817	62	62	1410696	19	18	
Parking Lot	Parking	1742400	0	609840	0	0	0	0	0	128066	0	0	
Single Family Housing	Residential	552600	307	2427569	7263254.67	78	669	54	54	1364290	16	16	
Strip Mall	Retail	198198	0	2223782	1064323.26	11	104	8	8	592209	2	2	
						732	6461	505	505	14381926	153	146	lb/yr
						2.00	17.70	1.38	1.38	39402.54	0.42	0.40	lb/day
						0.37	3.23	0.25	0.25	7190.96	0.08	0.07	ton/yr

CO2e 6545.05 MT/yr

CNU				Energy Use		Pollutant lb/yr							
Sub Type	Land Use Type	Sum of Sum of Building SF	Sum of Sum of Dwelling Units	kWhr/yr	KBTU/yr	ROG	NOX	PM10	PM2_5	CO2	CH4	N2O	
Apartments Mid Rise	Residential	268000	500	1946860	4708115								
Congregate Care (Assisted Living)	Residential	57600	100	389372	941623								
Day-Care Center	Educational	30000	0	213000	453600								
Enclosed Parking Structure	Parking	233600	0	1226400	0								
Enclosed Parking with Enclosed Structure	Parking	616000	0	3351040	0								
General Heavy Industry	Industrial	124000	0	1837680	4410680								
General Office Building	Commercial	100400	0	1395560	1303192								
Health Club	Recreational	30000	0	444600	1067100								
Hospital	Commercial	1421800	0	27511830	95175292								
Strip Mall	Retail	132000	0	1481040	708840								
University/College (4yr)	Educational	540000	0	4390200	14029200								
Total Energy				44187582	122797642								
From Elk Grove						39921600	118924000						
						1283	11659	886	886	22374595	268	257	lb/yr
						3.51	31.94	2.43	2.43	61300.26	0.73	0.70	lb/day
						0.64	5.83	0.44	0.44	11187.30	0.13	0.13	ton/yr

CO2e 10186.67 MT/yr

Total Project

	ROG	NOX	PM10	PM2_5	CO2	CH4	N2O	CO2e
Annual	tpy	tpy	tpy	tpy	tpy	tpy	tpy	MT/yr
Energy	1.01	9.06	0.70	0.70	18378.26	0.21	0.20	16731.72

	ROG	NOX	PM10	PM2_5
Daily	ppd	ppd	ppd	ppd
Energy	5.52	49.64	3.81	3.81

C1 -5 CalEEMod Operational
Outputs Default Traffic
(Combined CNU and PUD)

Innovation Park (w/ CNU) - Operations - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Innovation Park (w/ CNU) - Operations

Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	466.30	1000sqft	8.35	466,304.00	0
Hospital	1,421.80	1000sqft	14.36	1,421,800.00	0
Day-Care Center	30.00	1000sqft	0.30	30,000.00	0
Elementary School	261.40	1000sqft	6.00	261,360.00	0
University/College (4yr)	5,500.00	Student	5.46	540,000.00	0
General Heavy Industry	161.00	1000sqft	2.95	161,026.00	0
Enclosed Parking Structure	718.00	Space	2.36	233,600.00	0
Enclosed Parking with Elevator	2,390.00	Space	6.22	616,000.00	0
Parking Lot	1,742.40	1000sqft	40.00	1,742,400.00	0
City Park	7.20	Acre	7.20	313,632.00	0
Health Club	487.40	1000sqft	10.80	487,380.00	0
Hotel	150.00	Room	3.77	217,800.00	0
Apartments Mid Rise	2,193.00	Dwelling Unit	26.39	2,003,036.00	5855
Condo/townhouse	474.00	Dwelling Unit	18.30	474,000.00	1266
Congregate Care (Assisted Living)	100.00	Dwelling Unit	0.58	57,600.00	267
Single Family Housing	307.00	Dwelling Unit	25.60	552,600.00	820
Strip Mall	330.20	1000sqft	5.16	330,198.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6	Operational Year	2035		
Utility Company	Sacramento Municipal Utility District				

Innovation Park (w/ CNU) - Operations - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

CO2 Intensity (lb/MWhr) 357.98 **CH4 Intensity (lb/MWhr)** 0.033 **N2O Intensity (lb/MWhr)** 0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operational Emissions ONLY

Land Use - Innovation Park + CNU

Construction Phase - Operations Only, Construction does not apply

Energy Use - Separate CalEEMod run for energy use.

Operational Off-Road Equipment -

Stationary Sources - Emergency Generators and Fire Pumps - four 3MW EG's w/ 50 hour permit limits for O&M

Water And Wastewater -

Solid Waste -

Grading -

Trips and VMT -

Architectural Coating -

Area Coating -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	3.10	0.00
tblEnergyUse	LightingElect	3.10	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	4.57	0.00
tblEnergyUse	LightingElect	3.71	0.00
tblEnergyUse	LightingElect	4.57	0.00
tblEnergyUse	LightingElect	4.98	0.00

Innovation Park (w/ CNU) - Operations - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblEnergyUse	LightingElect	2.88	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	LightingElect	5.33	0.00
tblEnergyUse	LightingElect	3.03	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	3,795.01	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	2.17	0.00
tblEnergyUse	NT24E	2.17	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24E	7.20	0.00
tblEnergyUse	NT24E	5.75	0.00
tblEnergyUse	NT24E	7.20	0.00
tblEnergyUse	NT24E	6.17	0.00
tblEnergyUse	NT24E	3.33	0.00
tblEnergyUse	NT24E	6,155.97	0.00
tblEnergyUse	NT24E	2.98	0.00
tblEnergyUse	NT24E	2.09	0.00
tblEnergyUse	NT24NG	2,687.00	0.00
tblEnergyUse	NT24NG	2,687.00	0.00
tblEnergyUse	NT24NG	2,687.00	0.00
tblEnergyUse	NT24NG	0.66	0.00
tblEnergyUse	NT24NG	0.66	0.00
tblEnergyUse	NT24NG	12.42	0.00
tblEnergyUse	NT24NG	0.68	0.00
tblEnergyUse	NT24NG	12.42	0.00
tblEnergyUse	NT24NG	9.61	0.00
tblEnergyUse	NT24NG	5.53	0.00

Innovation Park (w/ CNU) - Operations - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblEnergyUse	NT24NG	2,687.00	0.00
tblEnergyUse	NT24NG	0.93	0.00
tblEnergyUse	NT24NG	0.23	0.00
tblEnergyUse	T24E	98.18	0.00
tblEnergyUse	T24E	80.14	0.00
tblEnergyUse	T24E	98.18	0.00
tblEnergyUse	T24E	1.83	0.00
tblEnergyUse	T24E	1.83	0.00
tblEnergyUse	T24E	3.50	0.00
tblEnergyUse	T24E	3.50	0.00
tblEnergyUse	T24E	3.05	0.00
tblEnergyUse	T24E	4.44	0.00
tblEnergyUse	T24E	3.05	0.00
tblEnergyUse	T24E	8.20	0.00
tblEnergyUse	T24E	3.21	0.00
tblEnergyUse	T24E	142.58	0.00
tblEnergyUse	T24E	2.91	0.00
tblEnergyUse	T24E	3.01	0.00
tblEnergyUse	T24NG	6,729.23	0.00
tblEnergyUse	T24NG	16,185.01	0.00
tblEnergyUse	T24NG	6,729.23	0.00
tblEnergyUse	T24NG	14.46	0.00
tblEnergyUse	T24NG	14.46	0.00
tblEnergyUse	T24NG	23.15	0.00
tblEnergyUse	T24NG	12.30	0.00
tblEnergyUse	T24NG	23.15	0.00
tblEnergyUse	T24NG	57.33	0.00
tblEnergyUse	T24NG	32.71	0.00
tblEnergyUse	T24NG	20,971.81	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblEnergyUse	T24NG	4.44	0.00
tblEnergyUse	T24NG	25.75	0.00
tblLandUse	GreenSpaceAllowEdit	1.00	0.00
tblLandUse	LandUseSquareFeet	466,300.00	466,304.00
tblLandUse	LandUseSquareFeet	261,400.00	261,360.00
tblLandUse	LandUseSquareFeet	1,010,886.08	540,000.00
tblLandUse	LandUseSquareFeet	161,000.00	161,026.00
tblLandUse	LandUseSquareFeet	287,200.00	233,600.00
tblLandUse	LandUseSquareFeet	956,000.00	616,000.00
tblLandUse	LandUseSquareFeet	487,400.00	487,380.00
tblLandUse	LandUseSquareFeet	2,193,000.00	2,003,036.00
tblLandUse	LandUseSquareFeet	100,000.00	57,600.00
tblLandUse	LandUseSquareFeet	330,200.00	330,198.00
tblLandUse	LotAcreage	10.70	8.35
tblLandUse	LotAcreage	32.64	14.36
tblLandUse	LotAcreage	0.69	0.30
tblLandUse	LotAcreage	23.21	5.46
tblLandUse	LotAcreage	3.70	2.95
tblLandUse	LotAcreage	6.46	2.36
tblLandUse	LotAcreage	21.51	6.22
tblLandUse	LotAcreage	11.19	10.80
tblLandUse	LotAcreage	5.00	3.77
tblLandUse	LotAcreage	57.71	26.39
tblLandUse	LotAcreage	29.63	18.30
tblLandUse	LotAcreage	6.25	0.58
tblLandUse	LotAcreage	99.68	25.60
tblLandUse	LotAcreage	7.58	5.16
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	4,025.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	1.00

Innovation Park (w/ CNU) - Operations - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	4.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

Innovation Park (w/ CNU) - Operations - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	33.6316	0.3660	31.7631	1.6900e-003		0.1764	0.1764		0.1764	0.1764	0.0000	52.1224	52.1224	0.0502	0.0000	53.3766
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	22.4840	24.7926	205.3967	0.4130	55.3564	0.2514	55.6078	14.7853	0.2349	15.0202	0.0000	41,302.2691	41,302.2691	2.8013	2.0249	41,975.7144
Stationary	0.6605	2.9539	1.6842	3.1700e-003		0.0972	0.0972		0.0972	0.0972	0.0000	306.5418	306.5418	0.0430	0.0000	307.6162
Waste						0.0000	0.0000		0.0000	0.0000	4,504.8201	0.0000	4,504.8201	266.2272	0.0000	11,160.5011
Water						0.0000	0.0000		0.0000	0.0000	203.9782	633.4913	837.4696	0.7605	0.4507	990.7793
Total	56.7761	28.1125	238.8440	0.4178	55.3564	0.5250	55.8814	14.7853	0.5085	15.2938	4,708.7983	42,294.4245	47,003.2229	269.8822	2.4755	54,487.9876

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	33.6316	0.3660	31.7631	1.6900e-003		0.1764	0.1764		0.1764	0.1764	0.0000	52.1224	52.1224	0.0502	0.0000	53.3766
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	22.4840	24.7926	205.3967	0.4130	55.3564	0.2514	55.6078	14.7853	0.2349	15.0202	0.0000	41,302.2691	41,302.2691	2.8013	2.0249	41,975.7144
Stationary	0.6605	2.9539	1.6842	3.1700e-003		0.0972	0.0972		0.0972	0.0972	0.0000	306.5418	306.5418	0.0430	0.0000	307.6162
Waste						0.0000	0.0000		0.0000	0.0000	4,504.8201	0.0000	4,504.8201	266.2272	0.0000	11,160.5011
Water						0.0000	0.0000		0.0000	0.0000	203.9782	633.4913	837.4696	0.7605	0.4507	990.7793
Total	56.7761	28.1125	238.8440	0.4178	55.3564	0.5250	55.8814	14.7853	0.5085	15.2938	4,708.7983	42,294.4245	47,003.2229	269.8822	2.4755	54,487.9876

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

~~**3.0 Construction Detail**~~

~~**Construction Phase**~~

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	10/7/2022	5	200	
2	Site Preparation	Site Preparation	10/8/2022	3/24/2023	5	120	

Innovation Park (w/ CNU) - Operations - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2037

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1513	0.0779	1.4476	4.9200e-003	0.7667	2.0200e-003	0.7687	0.2039	1.8600e-003	0.2058	0.0000	496.1738	496.1738	7.7200e-003	0.0108	499.5962
Total	0.1513	0.0779	1.4476	4.9200e-003	0.7667	2.0200e-003	0.7687	0.2039	1.8600e-003	0.2058	0.0000	496.1738	496.1738	7.7200e-003	0.0108	499.5962

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Innovation Park (w/ CNU) - Operations - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	22.4840	24.7926	205.3967	0.4130	55.3564	0.2514	55.6078	14.7853	0.2349	15.0202	0.0000	41,302.2691	41,302.2691	2.8013	2.0249	41,975.7144
Unmitigated	22.4840	24.7926	205.3967	0.4130	55.3564	0.2514	55.6078	14.7853	0.2349	15.0202	0.0000	41,302.2691	41,302.2691	2.8013	2.0249	41,975.7144

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	11,929.92	10,767.63	8969.37	29,102,096	29,102,096
City Park	5.62	14.11	15.77	15,276	15,276
Condo/townhouse	3,469.68	3,858.36	2976.72	8,865,349	8,865,349
Congregate Care (Assisted Living)	260.00	293.00	315.00	699,448	699,448
Day-Care Center	1,428.60	186.60	175.20	952,502	952,502
Elementary School	5,102.53	0.00	0.00	7,664,182	7,664,182
Enclosed Parking Structure	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Heavy Industry	632.73	1,033.62	819.49	1,982,157	1,982,157
General Office Building	4,541.76	1,030.52	326.41	7,099,752	7,099,752
Health Club	16,050.08	10,172.04	13028.20	20,411,051	20,411,051
Hospital	15,241.70	10,976.30	9625.59	34,040,973	34,040,973
Hotel	1,254.00	1,228.50	892.50	1,843,994	1,843,994
Parking Lot	0.00	0.00	0.00		
Single Family Housing	2,898.08	2,928.78	2624.85	7,347,881	7,347,881
Strip Mall	14,634.46	13,881.61	6745.99	16,477,737	16,477,737
University/College (4yr)	8,580.00	7,150.00	0.00	13,093,258	13,093,258
Total	86,029.16	63,521.07	46,515.08	149,595,655	149,595,655

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4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3
City Park	10.00	5.00	6.50	33.00	48.00	19.00	66	28	6
Condo/townhouse	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3
Congregate Care (Assisted Living)	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3
Day-Care Center	10.00	5.00	6.50	12.70	82.30	5.00	28	58	14
Elementary School	10.00	5.00	6.50	65.00	30.00	5.00	63	25	12
Enclosed Parking Structure	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
General Heavy Industry	10.00	5.00	6.50	59.00	28.00	13.00	92	5	3
General Office Building	10.00	5.00	6.50	33.00	48.00	19.00	77	19	4
Health Club	10.00	5.00	6.50	16.90	64.10	19.00	52	39	9
Hospital	10.00	5.00	6.50	64.90	16.10	19.00	73	25	2
Hotel	10.00	5.00	6.50	19.40	61.60	19.00	58	38	4
Parking Lot	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Single Family Housing	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3
Strip Mall	10.00	5.00	6.50	16.60	64.40	19.00	45	40	15
University/College (4yr)	10.00	5.00	6.50	6.40	88.60	5.00	91	9	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
City Park	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
Condo/townhouse	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
Congregate Care (Assisted Living)	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
Day-Care Center	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
Elementary School	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
Enclosed Parking Structure	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
Enclosed Parking with Elevator	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329
General Heavy Industry	0.569392	0.055933	0.180999	0.118374	0.018983	0.005166	0.013198	0.009408	0.000713	0.000711	0.024057	0.000737	0.002329

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5.2 Energy by Land Use - Natural Gas

Unmitigated

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5.2 Energy by Land Use - Natural Gas

Mitigated

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/townhouse	0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	0	0.0000	0.0000	0.0000	0.0000
Day-Care Center	0	0.0000	0.0000	0.0000	0.0000
Elementary School	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000
University/College (4yr)	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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5.3 Energy by Land Use - Electricity

Mitigated

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/townhouse	0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	0	0.0000	0.0000	0.0000	0.0000
Day-Care Center	0	0.0000	0.0000	0.0000	0.0000
Elementary School	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000
Hotel	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000
University/College (4yr)	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	33.6316	0.3660	31.7631	1.6900e-003		0.1764	0.1764		0.1764	0.1764	0.0000	52.1224	52.1224	0.0502	0.0000	53.3766
Unmitigated	33.6316	0.3660	31.7631	1.6900e-003		0.1764	0.1764		0.1764	0.1764	0.0000	52.1224	52.1224	0.0502	0.0000	53.3766

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.9282					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	28.7431					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.9604	0.3660	31.7631	1.6900e-003		0.1764	0.1764		0.1764	0.1764	0.0000	52.1224	52.1224	0.0502	0.0000	53.3766
Total	33.6316	0.3660	31.7631	1.6900e-003		0.1764	0.1764		0.1764	0.1764	0.0000	52.1224	52.1224	0.0502	0.0000	53.3766

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.9282					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	28.7431					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.9604	0.3660	31.7631	1.6900e-003		0.1764	0.1764		0.1764	0.1764	0.0000	52.1224	52.1224	0.0502	0.0000	53.3766
Total	33.6316	0.3660	31.7631	1.6900e-003		0.1764	0.1764		0.1764	0.1764	0.0000	52.1224	52.1224	0.0502	0.0000	53.3766

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	837.4696	0.7605	0.4507	990.7793
Unmitigated	837.4696	0.7605	0.4507	990.7793

7.2 Water by Land Use

Unmitigated

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	142.883 / 90.0783	217.3461	0.1894	0.1118	255.3962
City Park	0 / 8.57867	4.8754	4.5000e-004	5.0000e-005	4.9029
Condo/townhouse	30.883 / 19.4697	46.9777	0.0409	0.0242	55.2019
Congregate Care (Assisted Living)	6.5154 / 4.10754	9.9109	8.6400e-003	5.1000e-003	11.6460
Day-Care Center	1.28669 / 3.30862	3.3766	1.8400e-003	1.0200e-003	3.7272
Elementary School	7.57979 / 19.4909	19.8913	0.0108	6.0200e-003	21.9569
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	37.2313 / 0	43.2948	0.0481	0.0290	53.1344
General Office Building	82.8772 / 50.7957	125.2429	0.1098	0.0648	147.3088
Health Club	28.8264 / 17.6678	43.5620	0.0382	0.0226	51.2369
Hospital	178.408 / 33.9825	226.7769	0.2323	0.1391	274.0362
Hotel	3.80502 / 0.422779	4.6650	4.9400e-003	2.9600e-003	5.6719
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	20.0023 / 12.6101	30.4265	0.0265	0.0157	35.7531
Strip Mall	24.4587 / 14.9908	36.9617	0.0324	0.0191	43.4738
University/College (4yr)	11.7761 / 18.4189	24.1618	0.0162	9.2800e-003	27.3330
Total		837.4696	0.7605	0.4506	990.7793

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	142.883 / 90.0783	217.3461	0.1894	0.1118	255.3962
City Park	0 / 8.57867	4.8754	4.5000e-004	5.0000e-005	4.9029
Condo/townhouse	30.883 / 19.4697	46.9777	0.0409	0.0242	55.2019
Congregate Care (Assisted Living)	6.5154 / 4.10754	9.9109	8.6400e-003	5.1000e-003	11.6460
Day-Care Center	1.28669 / 3.30862	3.3766	1.8400e-003	1.0200e-003	3.7272
Elementary School	7.57979 / 19.4909	19.8913	0.0108	6.0200e-003	21.9569
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	37.2313 / 0	43.2948	0.0481	0.0290	53.1344
General Office Building	82.8772 / 50.7957	125.2429	0.1098	0.0648	147.3088
Health Club	28.8264 / 17.6678	43.5620	0.0382	0.0226	51.2369
Hospital	178.408 / 33.9825	226.7769	0.2323	0.1391	274.0362
Hotel	3.80502 / 0.422779	4.6650	4.9400e-003	2.9600e-003	5.6719
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	20.0023 / 12.6101	30.4265	0.0265	0.0157	35.7531
Strip Mall	24.4587 / 14.9908	36.9617	0.0324	0.0191	43.4738
University/College (4yr)	11.7761 / 18.4189	24.1618	0.0162	9.2800e-003	27.3330
Total		837.4696	0.7605	0.4506	990.7793

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8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4,504.820	266.2272	0.0000	11,160.501
	1			1
Unmitigated	4,504.820	266.2272	0.0000	11,160.501
	1			1

8.2 Waste by Land Use

Unmitigated

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	1008.78	204.7732	12.1018	0.0000	507.3170
City Park	0.62	0.1259	7.4400e-003	0.0000	0.3118
Condo/townhouse	218.04	44.2602	2.6157	0.0000	109.6527
Congregate Care (Assisted Living)	91.25	18.5229	1.0947	0.0000	45.8898
Day-Care Center	39	7.9167	0.4679	0.0000	19.6132
Elementary School	339.82	68.9804	4.0766	0.0000	170.8960
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	199.64	40.5251	2.3950	0.0000	100.3993
General Office Building	433.66	88.0291	5.2024	0.0000	218.0883
Health Club	2778.18	563.9454	33.3282	0.0000	1,397.1509
Hospital	15355.4	3,117.0156	184.2103	0.0000	7,722.2741
Hotel	82.13	16.6717	0.9853	0.0000	41.3033
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	295.2	59.9229	3.5413	0.0000	148.4565
Strip Mall	346.71	70.3790	4.1593	0.0000	174.3610
University/College (4yr)	1003.75	203.7522	12.0414	0.0000	504.7874
Total		4,504.8201	266.2272	0.0000	11,160.5011

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8.2 Waste by Land Use

Mitigated

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	1008.78	204.7732	12.1018	0.0000	507.3170
City Park	0.62	0.1259	7.4400e-003	0.0000	0.3118
Condo/townhouse	218.04	44.2602	2.6157	0.0000	109.6527
Congregate Care (Assisted Living)	91.25	18.5229	1.0947	0.0000	45.8898
Day-Care Center	39	7.9167	0.4679	0.0000	19.6132
Elementary School	339.82	68.9804	4.0766	0.0000	170.8960
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	199.64	40.5251	2.3950	0.0000	100.3993
General Office Building	433.66	88.0291	5.2024	0.0000	218.0883
Health Club	2778.18	563.9454	33.3282	0.0000	1,397.1509
Hospital	15355.4	3,117.0156	184.2103	0.0000	7,722.2741
Hotel	82.13	16.6717	0.9853	0.0000	41.3033
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	295.2	59.9229	3.5413	0.0000	148.4565
Strip Mall	346.71	70.3790	4.1593	0.0000	174.3610
University/College (4yr)	1003.75	203.7522	12.0414	0.0000	504.7874
Total		4,504.8201	266.2272	0.0000	11,160.5011

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9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	4	1	50	4025	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.6605	2.9539	1.6842	3.1700e-003		0.0972	0.0972		0.0972	0.0972	0.0000	306.5418	306.5418	0.0430	0.0000	307.6162
Total	0.6605	2.9539	1.6842	3.1700e-003		0.0972	0.0972		0.0972	0.0972	0.0000	306.5418	306.5418	0.0430	0.0000	307.6162

Innovation Park (w/ CNU) - Operations - Sacramento County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

11.0 Vegetation

C1 -6 Construction Ozone
Screening Tool Outputs
(Combine CNU and PUD)



Minor Project Health Effects Tool

Latitude	38.650659	<-- Step 1: Input latitude (Please chose a value between 38.0 and 39.7)
Longitude	-121.51925	<-- Step 2: Input longitude (Please chose a value between -122.5 and -120.0)

PM2.5 Health Endpoint	Age Range ¹	Incidences Across the Reduced Sacramento 4-km Modeling Domain Resulting from Project Emissions (per year) ^{2,5}	Incidences Across the 5-Air-District Region Resulting from Project Emissions (per year) ²	Percent of Background Health Incidences Across the 5-Air-District Region ³	Total Number of Health Incidences Across the 5-Air-District Region (per year) ⁴
		(Mean)	(Mean)		
Respiratory					
Emergency Room Visits, Asthma	0 - 99	1.3	1.2	0.0066%	18419
Hospital Admissions, Asthma	0 - 64	0.088	0.082	0.0044%	1846
Hospital Admissions, All Respiratory	65 - 99	0.32	0.27	0.0014%	19644
Cardiovascular					
Hospital Admissions, All Cardiovascular (less Myocardial Infarctions)	65 - 99	0.17	0.15	0.00063%	24037
Acute Myocardial Infarction, Nonfatal	18 - 24	0.00013	0.00011	0.0029%	4
Acute Myocardial Infarction, Nonfatal	25 - 44	0.011	0.010	0.0034%	308
Acute Myocardial Infarction, Nonfatal	45 - 54	0.022	0.021	0.0028%	741
Acute Myocardial Infarction, Nonfatal	55 - 64	0.036	0.034	0.0027%	1239
Acute Myocardial Infarction, Nonfatal	65 - 99	0.11	0.099	0.0020%	5052
Mortality					
Mortality, All Cause	30 - 99	2.2	1.9	0.0041%	44766

Ozone Health Endpoint	Age Range ¹	Incidences Across the Reduced Sacramento 4-km Modeling Domain Resulting from Project Emissions (per year) ^{2,5}	Incidences Across the 5-Air-District Region Resulting from Project Emissions (per year) ²	Percent of Background Health Incidences Across the 5-Air-District Region ³	Total Number of Health Incidences Across the 5-Air-District Region (per year) ⁴
		(Mean)	(Mean)		
Respiratory					
Hospital Admissions, All Respiratory	65 - 99	0.083	0.062	0.00032%	19644
Emergency Room Visits, Asthma	0 - 17	0.45	0.37	0.0063%	5859
Emergency Room Visits, Asthma	18 - 99	0.70	0.58	0.0046%	12560
Mortality					
Mortality, Non-Accidental	0 - 99	0.052	0.041	0.00014%	30386

1. Affected age ranges are shown. Other age ranges are available, but the endpoints and age ranges shown here are the ones used by the USEPA in their health assessments. The age ranges are consistent with the epidemiological study that is the basis of the health function.
2. Health effects are shown in terms of incidences of each health endpoint and how it compares to the base (2035 base year health effect incidences, or “background health incidence”) values. Health effects are shown for the Reduced Sacramento 4-km Modeling Domain and the 5-Air-District Region.
3. The percent of background health incidence uses the mean incidence. The background health incidence is an estimate of the average number of people that are affected by the health endpoint in a given population over a given period of time. In this case, the background incidence rates cover the 5-Air-District Region (estimated 2035 population of 3,271,451 persons). Health incidence rates and other health data are typically collected by the government as well as the World Health Organization. The background incidence rates used here are obtained from BenMAP.
4. The total number of health incidences across the 5-Air-District Region is calculated based on the modeling data. The information is presented to assist in providing overall health context.
5. The technical specifications and map for the Reduced Sacramento 4-km Modeling Domain are included in Appendix A, Table A-1 and Appendix B, Figure B-2 of the *Guidance to Address the Friant Ranch Ruling for CEQA Projects in the Sac Metro Air District*.

C1 -7 Operational Ozone
Screening Tool Outputs
(Combine CNU and PUD)



Strategic Area Project Health Effects Tool

Strategic Area Location	IV. South Sacramento	<-- Step 1: Input the area
NOx Emissions	264	<-- Step 2: Input NOx emissions in lbs./day
ROG Emissions	391	<-- Step 3: Input ROG emissions in lbs./day
PM25 Emissions	62	<-- Step 4: Input PM2.5 emissions in lbs./day

PM2.5 Health Endpoint	Age Range ¹	Incidences Across the Reduced Sacramento 4-km Modeling Domain Resulting from Project Emissions (per year) ^{2,5}	Incidences Across the 5-Air-District Region Resulting from Project Emissions (per year) ²	Percent of Background Health Incidences Across the 5-Air-District Region ³	Total Number of Health Incidences Across the 5-Air-District Region (per year) ⁴
		(Mean)	(Mean)		
Respiratory					
Emergency Room Visits, Asthma	0 - 99	3.6	3.4	0.018%	18419
Hospital Admissions, Asthma	0 - 64	0.24	0.22	0.012%	1846
Hospital Admissions, All Respiratory	65 - 99	1.1	1.0	0.0051%	19644
Cardiovascular					
Hospital Admissions, All Cardiovascular (less Myocardial Infarctions)	65 - 99	0.62	0.59	0.0024%	24037
Acute Myocardial Infarction, Nonfatal	18 - 24	0.00032	0.00030	0.0080%	4
Acute Myocardial Infarction, Nonfatal	25 - 44	0.026	0.025	0.0080%	308
Acute Myocardial Infarction, Nonfatal	45 - 54	0.064	0.061	0.0083%	741
Acute Myocardial Infarction, Nonfatal	55 - 64	0.11	0.10	0.0082%	1239
Acute Myocardial Infarction, Nonfatal	65 - 99	0.40	0.38	0.0075%	5052
Mortality					
Mortality, All Cause	30 - 99	7.2	6.7	0.015%	44766
Ozone Health Endpoint					
Ozone Health Endpoint	Age Range ¹	Incidences Across the Reduced Sacramento 4-km Modeling Domain Resulting from Project Emissions (per year) ^{2,5}	Incidences Across the 5-Air-District Region Resulting from Project Emissions (per year) ²	Percent of Background Health Incidences Across the 5-Air-District Region ³	Total Number of Health Incidences Across the 5-Air-District Region (per year) ⁴
		(Mean)	(Mean)		
Respiratory					
Hospital Admissions, All Respiratory	65 - 99	0.27	0.22	0.0011%	19644
Emergency Room Visits, Asthma	0 - 17	1.9	1.7	0.028%	5859
Emergency Room Visits, Asthma	18 - 99	1.9	1.6	0.013%	12560
Mortality					
Mortality, Non-Accidental	0 - 99	0.17	0.15	0.00048%	30386

1. Affected age ranges are shown. Other age ranges are available, but the endpoints and age ranges shown here are the ones used by the USEPA in their health assessments. The age ranges are consistent with the epidemiological study that is the basis of the health function.
 2. Health effects are shown in terms of incidences of each health endpoint and how it compares to the base (2035 base year health effect incidences, or "background health incidence") values. Health effects are shown for the Reduced Sacramento 4-km Modeling Domain and the 5-Air-District Region.
 3. The percent of background health incidence uses the mean incidence. The background health incidence is an estimate of the average number of people that are affected by the health endpoint in a given population over a given period of time. In this case, the background incidence rates cover the 5-Air-District Region (estimated 2035 population of 3,271,451 persons). Health incidence rates and other health data are typically collected by the government as well as the World Health Organization. The background incidence rates used here are obtained from BenMAP.
 4. The total number of health incidences across the 5-Air-District Region is calculated based on the modeling data. The information is presented to assist in providing overall health context.
 5. The technical specifications and map for the Reduced Sacramento 4-km Modeling Domain are included in Appendix A, Table A-1 and Appendix B, Figure B-2 of the *Guidance to Address the Friant Ranch Ruling for CEQA Projects in the Sac Metro Air District*.
- Sac Metro Air District Strategic Area Project Health Effects Tool, version 2, published September 2020**

Appendix C2

AERMOD Output

Natomas_CSTN_062921

**

**

** AERMOD Input Produced by:

** AERMOD View Ver. 10.0.1

** Lakes Environmental Software Inc.

** Date: 8/23/2021

** File: C:\Model\Natomas\Natomas_CSTN_062921\Natomas_CSTN_062921.ADI

**

**

**

** AERMOD Control Pathway

**

**

CO STARTING

TITLEONE C:\Model\Natomas\Natomas_CSTN_062921\Natomas_CSTN_062921.isc

MODELOPT DFAULT CONC

AVERTIME 1 PERIOD

POLLUTID PM_10

FLAGPOLE 1.50

RUNORNOT RUN

ERRORFIL Natomas_CSTN_062921.err

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION	C_INV	AREAPOLY	628477.450	4279373.170	7.060
----------	-------	----------	------------	-------------	-------

** DESCRSRC Innovation Park Construction

LOCATION	C_CNU	AREAPOLY	628610.143	4278842.567	5.190
----------	-------	----------	------------	-------------	-------

** DESCRSRC Construction CNU

** Source Parameters **

SRCPARAM	C_INV	1.8196E-06	5.000	47	1.400
----------	-------	------------	-------	----	-------

AREAVERT	C_INV	628477.450	4279373.170	628524.830	4279404.340
----------	-------	------------	-------------	------------	-------------

AREAVERT	C_INV	628598.000	4279406.210	628598.000	4279617.550
----------	-------	------------	-------------	------------	-------------

AREAVERT	C_INV	628613.000	4279617.550	628613.000	4279406.210
----------	-------	------------	-------------	------------	-------------

AREAVERT	C_INV	629127.000	4279406.210	629127.000	4279633.130
----------	-------	------------	-------------	------------	-------------

AREAVERT	C_INV	629142.000	4279633.130	629142.000	4279406.210
----------	-------	------------	-------------	------------	-------------

AREAVERT	C_INV	629193.510	4279400.490	629233.700	4279373.980
----------	-------	------------	-------------	------------	-------------

AREAVERT	C_INV	629358.310	4279128.180	629502.560	4279197.420
----------	-------	------------	-------------	------------	-------------

Natomas_CSTN_062921

AREAVERT C_INV	629509.050	4279183.890	629364.800	4279114.660
AREAVERT C_INV	629474.890	4278901.890	629473.640	4278859.500
AREAVERT C_INV	629458.680	4278802.770	629406.940	4278731.080
AREAVERT C_INV	629310.438	4278657.369	629381.698	4278567.109
AREAVERT C_INV	629369.928	4278557.819	629298.668	4278648.079
AREAVERT C_INV	629110.820	4278482.960	629076.540	4278463.640
AREAVERT C_INV	629028.540	4278460.520	628954.350	4278482.340
AREAVERT C_INV	628897.000	4278519.740	628870.304	4278570.113
AREAVERT C_INV	628993.704	4278558.903	629069.626	4278583.108
AREAVERT C_INV	629224.053	4278713.133	629190.776	4278763.669
AREAVERT C_INV	628876.268	4279017.701	628647.139	4278897.829
AREAVERT C_INV	628604.422	4278839.293	628512.913	4278705.262
AREAVERT C_INV	628501.993	4278715.542	628582.657	4278851.380
AREAVERT C_INV	628511.519	4278921.249	628466.310	4278996.200
AREAVERT C_INV	628450.590	4279040.906	628296.471	4279000.845
AREAVERT C_INV	628292.719	4279014.883	628447.279	4279055.533
AREAVERT C_INV	628446.010	4279313.930		
SRCPARAM C_CNU	6.8762E-06	5.000	26	1.400
AREAVERT C_CNU	628610.143	4278842.567	628640.875	4278879.625
AREAVERT C_CNU	628672.511	4278904.934	628720.416	4278925.723
AREAVERT C_CNU	628777.360	4278940.185	628819.842	4278964.590
AREAVERT C_CNU	628849.670	4278991.706	628866.843	4279010.687
AREAVERT C_CNU	628876.786	4279010.687	629161.146	4278781.384
AREAVERT C_CNU	629192.028	4278751.705	629217.696	4278719.620
AREAVERT C_CNU	629216.493	4278713.203	629059.677	4278589.274
AREAVERT C_CNU	629014.357	4278567.617	628970.641	4278561.200
AREAVERT C_CNU	628918.904	4278568.419	628890.428	4278579.649
AREAVERT C_CNU	628860.349	4278597.697	628827.461	4278632.589
AREAVERT C_CNU	628777.730	4278697.963	628756.072	4278723.230
AREAVERT C_CNU	628711.153	4278766.544	628663.843	4278803.011
AREAVERT C_CNU	628622.129	4278828.681	628612.101	4278836.302

** Variable Emissions Type: "By Hour / Day (HRDOW)"

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT C_INV	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT C_INV	HRDOW	0.0	1.6	1.6	1.6	1.6	1.6
EMISFACT C_INV	HRDOW	1.6	1.6	1.6	1.6	1.6	1.6
EMISFACT C_INV	HRDOW	1.6	1.6	1.6	1.6	0.0	0.0

** Saturday:

EMISFACT C_INV	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT C_INV	HRDOW	0.0	1.6	1.6	1.6	1.6	1.6
EMISFACT C_INV	HRDOW	1.6	1.6	1.6	1.6	1.6	1.6
EMISFACT C_INV	HRDOW	1.6	1.6	1.6	1.6	0.0	0.0

** Sunday:

EMISFACT C_INV	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT C_INV	HRDOW	0.0	1.6	1.6	1.6	1.6	1.6
EMISFACT C_INV	HRDOW	1.6	1.6	1.6	1.6	1.6	1.6

```

                                Natomas_CSTN_062921
EMISFACT C_INV                HRDOW 1.6 1.6 1.6 1.6 0.0 0.0
** WeekDays:
EMISFACT C_CNU                HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT C_CNU                HRDOW 0.0 1.6 1.6 1.6 1.6 1.6
EMISFACT C_CNU                HRDOW 1.6 1.6 1.6 1.6 1.6 1.6
EMISFACT C_CNU                HRDOW 1.6 1.6 1.6 1.6 0.0 0.0
** Saturday:
EMISFACT C_CNU                HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT C_CNU                HRDOW 0.0 1.6 1.6 1.6 1.6 1.6
EMISFACT C_CNU                HRDOW 1.6 1.6 1.6 1.6 1.6 1.6
EMISFACT C_CNU                HRDOW 1.6 1.6 1.6 1.6 0.0 0.0
** Sunday:
EMISFACT C_CNU                HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT C_CNU                HRDOW 0.0 1.6 1.6 1.6 1.6 1.6
EMISFACT C_CNU                HRDOW 1.6 1.6 1.6 1.6 1.6 1.6
EMISFACT C_CNU                HRDOW 1.6 1.6 1.6 1.6 0.0 0.0
SRCGROUP C_CNU                C_CNU
SRCGROUP C_INV                C_INV
SRCGROUP ALL

```

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED Natomas_CSTN_062921.rou

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE "..\MET Sac EXE\14-18.SFC"

PROFFILE "..\MET Sac EXE\14-18.PFL"

SURFDATA 23232 2014 SACRAMENTO/EXECUTIVE_ARPT

UAIRDATA 23230 2014 OAKLAND/WSO_AP

PROFBASE 7.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

Natomas_CSTN_062921

OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST NATOMAS_CSTN_062921.AD\01H1GALL.PLT 31
PLOTFILE 1 C_CNU 1ST NATOMAS_CSTN_062921.AD\01H1G001.PLT 32
PLOTFILE 1 C_INV 1ST NATOMAS_CSTN_062921.AD\01H1G002.PLT 33
PLOTFILE PERIOD ALL NATOMAS_CSTN_062921.AD\PE00GALL.PLT 34
PLOTFILE PERIOD C_CNU NATOMAS_CSTN_062921.AD\PE00G001.PLT 35
PLOTFILE PERIOD C_INV NATOMAS_CSTN_062921.AD\PE00G002.PLT 36
SUMMFILE Natomas_CSTN_062921.sum
OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 0 Informational Message(s)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 138 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 138 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 21112 ***
C:\Model\Natomas\Natomas_CSTN_062921\Natomas_CSTN_062921.isc ***
08/23/21

*** AERMET - VERSION 19191 ***
*** 17:40:15

PAGE 1

*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY

**Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses RURAL Dispersion Only.

**Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.

**Other Options Specified:

ADJ_U* - Use ADJ_U* option for SBL in AERMET

CCVR_Sub - Meteorological data includes CCVR substitutions

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM₁₀

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 2 Source(s); 3 Source Group(s); and 1094
Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 2 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 19191

Natomas_CSTN_062921

**Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE

Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE

Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE

Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and

Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 7.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.7 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Natomas_CSTN_062921.err

**File for Summary of Results: Natomas_CSTN_062921.sum

▲ *** AERMOD - VERSION 21112 *** ***
C:\Model\Natomas\Natomas_CSTN_062921\Natomas_CSTN_062921.isc ***
08/23/21

*** AERMET - VERSION 19191 *** ***
*** 17:40:15

PAGE 2

*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

*** AREAPOLY SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	LOCATION OF AREA	BASE	RELEASE	NUMBER
SOURCE	PART.	(GRAMS/SEC	X	Y	ELEV.	HEIGHT OF VERTS.
SZ	SOURCE	SCALAR VARY				

Natomas_CSTN_062921

ID CATS. /METER**2) (METERS) (METERS) (METERS) (METERS)
(METERS) BY

```

-----
C_INV      0  0.18196E-05  628477.5  4279373.2    7.1    5.00    47
1.40      NO  HRDOW
C_CNU      0  0.68762E-05  628610.1  4278842.6    5.2    5.00    26
1.40      NO  HRDOW

```

```

^ *** AERMOD - VERSION 21112 *** ***
C:\Model\Natomas\Natomas_CSTN_062921\Natomas_CSTN_062921.isc ***
08/23/21
*** AERMET - VERSION 19191 *** ***
***                               ***
***                               17:40:15

```

PAGE 3

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

```

SRCGROUP ID          SOURCE IDs
-----

```

```

C_CNU      C_CNU      ,
C_INV      C_INV      ,
ALL        C_INV      , C_CNU      ,

```

```

^ *** AERMOD - VERSION 21112 *** ***
C:\Model\Natomas\Natomas_CSTN_062921\Natomas_CSTN_062921.isc ***
08/23/21
*** AERMET - VERSION 19191 *** ***
***                               ***
***                               17:40:15

```

PAGE 4

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```

SOURCE ID = C_INV      ; SOURCE TYPE = AREAPOLY :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
-----

```

DAY OF WEEK = WEEKDAY

Natomas_CSTN_062921

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.1600E+01					
	9	.1600E+01	10	.1600E+01	11	.1600E+01	12	.1600E+01	13	.1600E+01
14	.1600E+01	15	.1600E+01	16	.1600E+01					
	17	.1600E+01	18	.1600E+01	19	.1600E+01	20	.1600E+01	21	.1600E+01
22	.1600E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.1600E+01					
	9	.1600E+01	10	.1600E+01	11	.1600E+01	12	.1600E+01	13	.1600E+01
14	.1600E+01	15	.1600E+01	16	.1600E+01					
	17	.1600E+01	18	.1600E+01	19	.1600E+01	20	.1600E+01	21	.1600E+01
22	.1600E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.1600E+01					
	9	.1600E+01	10	.1600E+01	11	.1600E+01	12	.1600E+01	13	.1600E+01
14	.1600E+01	15	.1600E+01	16	.1600E+01					
	17	.1600E+01	18	.1600E+01	19	.1600E+01	20	.1600E+01	21	.1600E+01
22	.1600E+01	23	.0000E+00	24	.0000E+00					

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = C_CNU ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.1600E+01					
	9	.1600E+01	10	.1600E+01	11	.1600E+01	12	.1600E+01	13	.1600E+01
14	.1600E+01	15	.1600E+01	16	.1600E+01					
	17	.1600E+01	18	.1600E+01	19	.1600E+01	20	.1600E+01	21	.1600E+01
22	.1600E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.1600E+01					
	9	.1600E+01	10	.1600E+01	11	.1600E+01	12	.1600E+01	13	.1600E+01

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14 .1600E+01 15 .1600E+01 16 .1600E+01
17 .1600E+01 18 .1600E+01 19 .1600E+01 20 .1600E+01 21 .1600E+01
22 .1600E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1600E+01
9 .1600E+01 10 .1600E+01 11 .1600E+01 12 .1600E+01 13 .1600E+01
14 .1600E+01 15 .1600E+01 16 .1600E+01
17 .1600E+01 18 .1600E+01 19 .1600E+01 20 .1600E+01 21 .1600E+01
22 .1600E+01 23 .0000E+00 24 .0000E+00

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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(629680.0, 4278380.0, 4.3, 4.3, 1.5); (629700.0,

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 (629560.0, 4278460.0, 4.2, 4.2, 1.5); (629580.0,
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 (629600.0, 4278460.0, 4.3, 4.3, 1.5); (629620.0,

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 4278460.0, 4.2, 4.2, 1.5);
 (629680.0, 4278460.0, 4.3, 4.3, 1.5); (629700.0,
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 (629720.0, 4278460.0, 4.1, 4.1, 1.5); (629440.0,
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 (629460.0, 4278480.0, 5.3, 5.3, 1.5); (629480.0,
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 (629500.0, 4278480.0, 4.6, 4.6, 1.5); (629520.0,
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 (629540.0, 4278480.0, 4.3, 4.3, 1.5); (629560.0,
 4278480.0, 4.2, 4.2, 1.5);
 (629580.0, 4278480.0, 4.2, 4.2, 1.5); (629600.0,
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 (629620.0, 4278480.0, 4.1, 4.1, 1.5); (629640.0,
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▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(629660.0, 4278480.0, 4.2, 4.2, 1.5); (629680.0,
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 (629700.0, 4278480.0, 4.2, 4.2, 1.5); (629720.0,
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 (629440.0, 4278500.0, 5.1, 5.1, 1.5); (629460.0,
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 (629480.0, 4278500.0, 4.8, 4.8, 1.5); (629500.0,
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 (629520.0, 4278500.0, 4.4, 4.4, 1.5); (629540.0,
 4278500.0, 4.2, 4.2, 1.5);
 (629560.0, 4278500.0, 4.2, 4.2, 1.5); (629580.0,
 4278500.0, 4.3, 4.3, 1.5);
 (629600.0, 4278500.0, 4.2, 4.2, 1.5); (629620.0,
 4278500.0, 4.1, 4.1, 1.5);
 (629640.0, 4278500.0, 4.1, 4.1, 1.5); (629660.0,
 4278500.0, 4.2, 4.2, 1.5);
 (629680.0, 4278500.0, 4.3, 4.3, 1.5); (629700.0,
 4278500.0, 4.3, 4.3, 1.5);

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(629720.0, 4278500.0,	3.9,	3.9,	1.5);	(629420.0,
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(629440.0, 4278520.0,	5.5,	5.5,	1.5);	(629460.0,
4278520.0, 5.3,	5.3,	1.5);		
(629480.0, 4278520.0,	4.9,	4.9,	1.5);	(629500.0,
4278520.0, 4.6,	4.6,	1.5);		
(629520.0, 4278520.0,	4.3,	4.3,	1.5);	(629540.0,
4278520.0, 4.2,	4.2,	1.5);		
(629560.0, 4278520.0,	4.2,	4.2,	1.5);	(629580.0,
4278520.0, 4.3,	4.3,	1.5);		
(629600.0, 4278520.0,	4.3,	4.3,	1.5);	(629620.0,
4278520.0, 4.2,	4.2,	1.5);		
(629640.0, 4278520.0,	4.2,	4.2,	1.5);	(629660.0,
4278520.0, 4.2,	4.2,	1.5);		
(629680.0, 4278520.0,	4.2,	4.2,	1.5);	(629700.0,
4278520.0, 4.2,	4.2,	1.5);		
(629720.0, 4278520.0,	3.8,	3.8,	1.5);	(629420.0,
4278540.0, 4.6,	4.6,	1.5);		
(629440.0, 4278540.0,	5.2,	5.2,	1.5);	(629460.0,
4278540.0, 5.0,	5.0,	1.5);		
(629480.0, 4278540.0,	4.8,	4.8,	1.5);	(629500.0,
4278540.0, 4.6,	4.6,	1.5);		
(629520.0, 4278540.0,	4.4,	4.4,	1.5);	(629540.0,
4278540.0, 4.2,	4.2,	1.5);		
(629560.0, 4278540.0,	4.2,	4.2,	1.5);	(629580.0,
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(629600.0, 4278540.0,	4.3,	4.3,	1.5);	(629620.0,
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(629680.0, 4278540.0,	4.3,	4.3,	1.5);	(629700.0,
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(629720.0, 4278540.0,	3.8,	3.8,	1.5);	(629460.0,
4278560.0, 4.7,	4.7,	1.5);		
(629480.0, 4278560.0,	4.7,	4.7,	1.5);	(629500.0,
4278560.0, 4.4,	4.4,	1.5);		
(629520.0, 4278560.0,	4.3,	4.3,	1.5);	(629540.0,
4278560.0, 4.2,	4.2,	1.5);		
(629560.0, 4278560.0,	4.3,	4.3,	1.5);	(629580.0,
4278560.0, 4.3,	4.3,	1.5);		
(629600.0, 4278560.0,	4.4,	4.4,	1.5);	(629620.0,
4278560.0, 4.2,	4.2,	1.5);		
(629640.0, 4278560.0,	4.2,	4.2,	1.5);	(629660.0,
4278560.0, 4.2,	4.2,	1.5);		
(629680.0, 4278560.0,	4.3,	4.3,	1.5);	(629700.0,
4278560.0, 4.3,	4.3,	1.5);		
(629720.0, 4278560.0,	3.7,	3.7,	1.5);	(629480.0,
4278580.0, 4.3,	4.3,	1.5);		

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( 629500.0, 4278580.0, 4.4, 4.4, 1.5); ( 629520.0,
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▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***
*** 17:40:15

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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( 629680.0, 4278620.0, 3.8, 3.8, 1.5); ( 629700.0,
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4278280.0, 5.6, 5.6, 1.5);
 (629460.0, 4278280.0, 5.8, 5.8, 1.5); (629480.0,
 4278280.0, 5.7, 5.7, 1.5);
 (629500.0, 4278280.0, 5.1, 5.7, 1.5); (629200.0,
 4278300.0, 5.2, 5.2, 1.5);
 (629220.0, 4278300.0, 5.3, 5.3, 1.5); (629240.0,
 4278300.0, 5.2, 5.2, 1.5);
 (629260.0, 4278300.0, 5.3, 5.3, 1.5); (629280.0,
 4278300.0, 5.4, 5.4, 1.5);
 (629300.0, 4278300.0, 6.2, 6.2, 1.5); (629320.0,
 4278300.0, 5.7, 5.7, 1.5);
 (629340.0, 4278300.0, 5.6, 5.6, 1.5); (629360.0,
 4278300.0, 5.5, 5.5, 1.5);
 (629380.0, 4278300.0, 5.5, 5.5, 1.5); (629400.0,
 4278300.0, 5.4, 5.4, 1.5);
 (629420.0, 4278300.0, 5.4, 5.4, 1.5); (629440.0,
 4278300.0, 5.7, 5.7, 1.5);
 (629460.0, 4278300.0, 5.3, 5.3, 1.5); (629480.0,
 4278300.0, 5.3, 5.3, 1.5);
 (629500.0, 4278300.0, 5.5, 5.5, 1.5); (629520.0,
 4278300.0, 5.0, 5.0, 1.5);
 (629220.0, 4278320.0, 5.0, 5.0, 1.5); (629240.0,
 4278320.0, 5.4, 5.4, 1.5);
 (629260.0, 4278320.0, 5.3, 5.3, 1.5); (629280.0,
 4278320.0, 5.5, 5.5, 1.5);
 (629300.0, 4278320.0, 6.1, 6.1, 1.5); (629320.0,
 4278320.0, 5.8, 5.8, 1.5);
 (629340.0, 4278320.0, 5.7, 5.7, 1.5); (629360.0,
 4278320.0, 5.7, 5.7, 1.5);
 (629380.0, 4278320.0, 5.8, 5.8, 1.5); (629400.0,
 4278320.0, 5.7, 5.7, 1.5);

▲ *** AERMOD - VERSION 21112 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(629420.0, 4278320.0, 5.5, 5.5, 1.5); (629440.0,
 4278320.0, 5.5, 5.5, 1.5);
 (629460.0, 4278320.0, 5.2, 5.2, 1.5); (629480.0,
 4278320.0, 5.4, 5.4, 1.5);

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(629500.0, 4278320.0, 5.4, 5.4, 1.5); (629520.0, 4278320.0, 3.9, 4.9, 1.5);
 (629160.0, 4278340.0, 5.3, 5.3, 1.5); (629240.0, 4278340.0, 5.1, 5.1, 1.5);
 (629260.0, 4278340.0, 5.4, 5.4, 1.5); (629280.0, 4278340.0, 5.3, 5.3, 1.5);
 (629300.0, 4278340.0, 6.0, 6.0, 1.5); (629320.0, 4278340.0, 5.9, 5.9, 1.5);
 (629340.0, 4278340.0, 5.6, 5.6, 1.5); (629360.0, 4278340.0, 6.0, 6.0, 1.5);
 (629380.0, 4278340.0, 5.9, 5.9, 1.5); (629400.0, 4278340.0, 5.8, 5.8, 1.5);
 (629420.0, 4278340.0, 5.5, 5.5, 1.5); (629440.0, 4278340.0, 5.5, 5.5, 1.5);
 (629460.0, 4278340.0, 5.6, 5.6, 1.5); (629480.0, 4278340.0, 5.5, 5.5, 1.5);
 (629500.0, 4278340.0, 4.8, 5.5, 1.5); (629140.0, 4278360.0, 5.2, 5.2, 1.5);
 (629160.0, 4278360.0, 5.3, 5.3, 1.5); (629180.0, 4278360.0, 5.2, 5.2, 1.5);
 (629260.0, 4278360.0, 5.3, 5.3, 1.5); (629280.0, 4278360.0, 5.6, 5.6, 1.5);
 (629300.0, 4278360.0, 6.0, 6.0, 1.5); (629320.0, 4278360.0, 6.1, 6.1, 1.5);
 (629340.0, 4278360.0, 5.6, 5.6, 1.5); (629360.0, 4278360.0, 5.9, 5.9, 1.5);
 (629380.0, 4278360.0, 5.9, 5.9, 1.5); (629400.0, 4278360.0, 5.7, 5.7, 1.5);
 (629420.0, 4278360.0, 5.3, 5.3, 1.5); (629440.0, 4278360.0, 5.3, 5.3, 1.5);
 (629460.0, 4278360.0, 5.5, 5.5, 1.5); (629480.0, 4278360.0, 5.5, 5.5, 1.5);
 (629500.0, 4278360.0, 4.2, 5.6, 1.5); (629140.0, 4278380.0, 5.3, 5.3, 1.5);
 (629160.0, 4278380.0, 5.4, 5.4, 1.5); (629180.0, 4278380.0, 5.2, 5.2, 1.5);
 (629200.0, 4278380.0, 5.2, 5.2, 1.5); (629280.0, 4278380.0, 5.5, 5.5, 1.5);
 (629300.0, 4278380.0, 5.9, 5.9, 1.5); (629320.0, 4278380.0, 5.9, 5.9, 1.5);
 (629340.0, 4278380.0, 5.8, 5.8, 1.5); (629360.0, 4278380.0, 6.0, 6.0, 1.5);
 (629380.0, 4278380.0, 5.9, 5.9, 1.5); (629400.0, 4278380.0, 5.8, 5.8, 1.5);
 (629420.0, 4278380.0, 5.3, 5.3, 1.5); (629440.0, 4278380.0, 5.2, 5.2, 1.5);
 (629460.0, 4278380.0, 4.8, 4.8, 1.5); (629480.0, 4278380.0, 4.4, 4.4, 1.5);

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(629180.0, 4278400.0, 5.5, 5.5, 1.5); (629200.0, 4278400.0, 5.2, 5.2, 1.5);

(629220.0, 4278400.0, 5.0, 5.0, 1.5); (629300.0, 4278400.0, 5.8, 5.8, 1.5);

(629320.0, 4278400.0, 5.8, 5.8, 1.5); (629340.0, 4278400.0, 5.5, 5.5, 1.5);

(629360.0, 4278400.0, 6.0, 6.0, 1.5); (629380.0, 4278400.0, 6.0, 6.0, 1.5);

(629400.0, 4278400.0, 5.8, 5.8, 1.5); (629420.0, 4278400.0, 5.6, 5.6, 1.5);

(629440.0, 4278400.0, 5.6, 5.6, 1.5); (629460.0, 4278400.0, 5.1, 5.1, 1.5);

(629180.0, 4278420.0, 5.1, 5.1, 1.5); (629200.0, 4278420.0, 5.5, 5.5, 1.5);

(629220.0, 4278420.0, 5.2, 5.2, 1.5); (629240.0, 4278420.0, 5.2, 5.2, 1.5);

(629300.0, 4278420.0, 5.4, 5.4, 1.5); (629320.0, 4278420.0, 5.8, 5.8, 1.5);

(629340.0, 4278420.0, 5.6, 5.6, 1.5); (629360.0, 4278420.0, 5.8, 5.8, 1.5);

(629380.0, 4278420.0, 6.0, 6.0, 1.5); (629400.0, 4278420.0, 5.7, 5.7, 1.5);

(629420.0, 4278420.0, 5.6, 5.6, 1.5); (629440.0, 4278420.0, 5.6, 5.6, 1.5);

(629460.0, 4278420.0, 4.3, 5.5, 1.5); (629180.0, 4278440.0, 5.2, 5.2, 1.5);

(629200.0, 4278440.0, 5.3, 5.3, 1.5); (629220.0, 4278440.0, 5.5, 5.5, 1.5);

(629240.0, 4278440.0, 5.1, 5.1, 1.5); (629260.0, 4278440.0, 5.3, 5.3, 1.5);

(629320.0, 4278440.0, 5.6, 5.6, 1.5); (629340.0, 4278440.0, 5.7, 5.7, 1.5);

(629360.0, 4278440.0, 5.7, 5.7, 1.5); (629380.0, 4278440.0, 5.6, 5.6, 1.5);

(629400.0, 4278440.0, 5.3, 5.3, 1.5); (629420.0, 4278440.0, 5.8, 5.8, 1.5);

(629440.0, 4278440.0, 5.4, 5.8, 1.5); (629160.0, 4278460.0, 5.3, 5.3, 1.5);

▲ *** AERMOD - VERSION 21112 *** ***

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

Natomas_CSTN_062921
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(629180.0, 4278460.0, 5.3, 5.3, 1.5); (629200.0,
4278460.0, 5.3, 5.3, 1.5);
(629220.0, 4278460.0, 5.4, 5.4, 1.5); (629240.0,
4278460.0, 5.2, 5.2, 1.5);
(629260.0, 4278460.0, 5.2, 5.2, 1.5); (629340.0,
4278460.0, 5.6, 5.6, 1.5);
(629360.0, 4278460.0, 5.7, 5.7, 1.5); (629380.0,
4278460.0, 5.6, 5.6, 1.5);
(629400.0, 4278460.0, 5.6, 5.6, 1.5); (629420.0,
4278460.0, 5.7, 5.7, 1.5);
(629180.0, 4278480.0, 5.5, 5.5, 1.5); (629200.0,
4278480.0, 5.5, 5.5, 1.5);
(629220.0, 4278480.0, 5.4, 5.4, 1.5); (629240.0,
4278480.0, 5.3, 5.3, 1.5);
(629260.0, 4278480.0, 5.4, 5.4, 1.5); (629280.0,
4278480.0, 5.2, 5.2, 1.5);
(629360.0, 4278480.0, 5.5, 5.5, 1.5); (629380.0,
4278480.0, 5.6, 5.6, 1.5);
(629400.0, 4278480.0, 5.6, 5.6, 1.5); (629200.0,
4278500.0, 5.4, 5.4, 1.5);
(629220.0, 4278500.0, 5.3, 5.3, 1.5); (629240.0,
4278500.0, 5.3, 5.3, 1.5);
(629260.0, 4278500.0, 5.3, 5.3, 1.5); (629280.0,
4278500.0, 5.3, 5.3, 1.5);
(629300.0, 4278500.0, 5.9, 5.9, 1.5); (629380.0,
4278500.0, 5.3, 5.3, 1.5);
(629220.0, 4278520.0, 5.3, 5.3, 1.5); (629240.0,
4278520.0, 5.1, 5.1, 1.5);
(629260.0, 4278520.0, 5.1, 5.1, 1.5); (629280.0,
4278520.0, 5.2, 5.2, 1.5);
(629300.0, 4278520.0, 6.0, 6.0, 1.5); (629320.0,
4278520.0, 5.9, 5.9, 1.5);
(629340.0, 4278520.0, 5.2, 5.2, 1.5); (629240.0,
4278540.0, 5.3, 5.3, 1.5);
(629260.0, 4278540.0, 5.1, 5.1, 1.5); (629280.0,
4278540.0, 5.0, 5.0, 1.5);
(629300.0, 4278540.0, 5.9, 5.9, 1.5); (629320.0,
4278540.0, 6.1, 6.1, 1.5);
(629340.0, 4278540.0, 5.9, 5.9, 1.5); (629360.0,
4278540.0, 4.9, 4.9, 1.5);
(629260.0, 4278560.0, 5.1, 5.1, 1.5); (629280.0,
4278560.0, 5.2, 5.2, 1.5);
(629300.0, 4278560.0, 6.0, 6.0, 1.5); (629320.0,
4278560.0, 6.0, 6.0, 1.5);
(629340.0, 4278560.0, 5.7, 5.9, 1.5); (629360.0,

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4278560.0, 4.6, 4.6, 1.5);
(629280.0, 4278580.0, 5.7, 5.7, 1.5); (629300.0,
4278580.0, 5.9, 5.9, 1.5);
(629320.0, 4278580.0, 6.0, 6.0, 1.5); (629340.0,
4278580.0, 4.6, 4.6, 1.5);
(629320.0, 4278600.0, 4.6, 6.0, 1.5); (628480.0,
4278740.0, 6.6, 6.6, 1.5);
(628500.0, 4278740.0, 6.7, 6.7, 1.5); (628460.0,
4278760.0, 6.7, 6.7, 1.5);
(628480.0, 4278760.0, 6.7, 6.7, 1.5); (628500.0,
4278760.0, 6.6, 6.6, 1.5);
(628520.0, 4278760.0, 6.5, 6.5, 1.5); (628440.0,
4278780.0, 6.7, 6.7, 1.5);
(628460.0, 4278780.0, 6.6, 6.6, 1.5); (628480.0,
4278780.0, 6.3, 6.3, 1.5);
(628500.0, 4278780.0, 6.5, 6.5, 1.5); (628520.0,
4278780.0, 6.3, 6.3, 1.5);
(628540.0, 4278780.0, 5.7, 5.7, 1.5); (628420.0,
4278800.0, 6.6, 6.6, 1.5);
(628440.0, 4278800.0, 6.5, 6.5, 1.5); (628460.0,
4278800.0, 6.3, 6.3, 1.5);
(628480.0, 4278800.0, 6.5, 6.5, 1.5); (628500.0,
4278800.0, 6.2, 6.2, 1.5);
(628520.0, 4278800.0, 6.4, 6.4, 1.5); (628540.0,
4278800.0, 6.6, 6.6, 1.5);
(628400.0, 4278820.0, 6.7, 6.7, 1.5); (628420.0,
4278820.0, 6.5, 6.5, 1.5);
(628440.0, 4278820.0, 6.3, 6.3, 1.5); (628460.0,
4278820.0, 6.5, 6.5, 1.5);
(628480.0, 4278820.0, 6.7, 6.7, 1.5); (628500.0,
4278820.0, 6.3, 6.3, 1.5);
(628520.0, 4278820.0, 6.2, 6.2, 1.5); (628540.0,
4278820.0, 6.6, 6.6, 1.5);
(628560.0, 4278820.0, 6.6, 6.6, 1.5); (628380.0,
4278840.0, 6.2, 6.2, 1.5);
(628400.0, 4278840.0, 6.4, 6.4, 1.5); (628420.0,
4278840.0, 6.3, 6.3, 1.5);
(628440.0, 4278840.0, 6.4, 6.4, 1.5); (628460.0,
4278840.0, 6.6, 6.6, 1.5);
(628480.0, 4278840.0, 6.4, 6.4, 1.5); (628500.0,
4278840.0, 6.4, 6.4, 1.5);
(628520.0, 4278840.0, 6.4, 6.4, 1.5); (628540.0,
4278840.0, 6.5, 6.5, 1.5);
(628560.0, 4278840.0, 6.2, 6.2, 1.5); (628360.0,
4278860.0, 6.7, 6.7, 1.5);

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 ***

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(628380.0, 4278860.0,	6.6,	6.6,	1.5);	(628400.0,
4278860.0,	6.1,	6.1,	1.5);	
(628420.0, 4278860.0,	6.4,	6.4,	1.5);	(628440.0,
4278860.0,	6.4,	6.4,	1.5);	
(628460.0, 4278860.0,	6.3,	6.3,	1.5);	(628480.0,
4278860.0,	6.4,	6.4,	1.5);	
(628500.0, 4278860.0,	6.6,	6.6,	1.5);	(628520.0,
4278860.0,	6.5,	6.5,	1.5);	
(628340.0, 4278880.0,	6.4,	6.4,	1.5);	(628360.0,
4278880.0,	6.6,	6.6,	1.5);	
(628380.0, 4278880.0,	6.4,	6.4,	1.5);	(628400.0,
4278880.0,	6.4,	6.4,	1.5);	
(628420.0, 4278880.0,	6.5,	6.5,	1.5);	(628440.0,
4278880.0,	6.6,	6.6,	1.5);	
(628460.0, 4278880.0,	6.4,	6.4,	1.5);	(628480.0,
4278880.0,	6.6,	6.6,	1.5);	
(628500.0, 4278880.0,	6.3,	6.3,	1.5);	(628320.0,
4278900.0,	6.1,	6.1,	1.5);	
(628340.0, 4278900.0,	6.6,	6.6,	1.5);	(628360.0,
4278900.0,	6.6,	6.6,	1.5);	
(628380.0, 4278900.0,	6.4,	6.4,	1.5);	(628400.0,
4278900.0,	6.6,	6.6,	1.5);	
(628420.0, 4278900.0,	6.6,	6.6,	1.5);	(628440.0,
4278900.0,	6.6,	6.6,	1.5);	
(628460.0, 4278900.0,	6.7,	6.7,	1.5);	(628480.0,
4278900.0,	6.6,	6.6,	1.5);	
(629760.0, 4278900.0,	3.8,	3.8,	1.5);	(628320.0,
4278920.0,	6.5,	6.5,	1.5);	
(628340.0, 4278920.0,	6.6,	6.6,	1.5);	(628360.0,
4278920.0,	6.4,	6.4,	1.5);	
(628380.0, 4278920.0,	6.5,	6.5,	1.5);	(628400.0,
4278920.0,	6.5,	6.5,	1.5);	
(628420.0, 4278920.0,	6.3,	6.3,	1.5);	(628440.0,
4278920.0,	6.8,	6.8,	1.5);	
(628460.0, 4278920.0,	6.6,	6.6,	1.5);	(629740.0,
4278920.0,	3.8,	3.8,	1.5);	
(629760.0, 4278920.0,	4.0,	4.0,	1.5);	(628320.0,
4278940.0,	6.7,	6.7,	1.5);	

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(628340.0, 4278940.0, 6.6, 6.6, 1.5); (628360.0, 4278940.0, 6.4, 6.4, 1.5);
 (628380.0, 4278940.0, 6.6, 6.6, 1.5); (628400.0, 4278940.0, 6.4, 6.4, 1.5);
 (628420.0, 4278940.0, 6.4, 6.4, 1.5); (628440.0, 4278940.0, 6.7, 6.7, 1.5);
 (628460.0, 4278940.0, 6.2, 6.2, 1.5); (629740.0, 4278940.0, 4.1, 4.1, 1.5);
 (629760.0, 4278940.0, 3.7, 3.7, 1.5); (628100.0, 4278960.0, 6.0, 6.0, 1.5);
 (628120.0, 4278960.0, 5.7, 5.7, 1.5); (628320.0, 4278960.0, 6.6, 6.6, 1.5);
 (628340.0, 4278960.0, 6.6, 6.6, 1.5); (628360.0, 4278960.0, 6.4, 6.4, 1.5);
 (628380.0, 4278960.0, 6.3, 6.3, 1.5); (628400.0, 4278960.0, 6.3, 6.3, 1.5);
 (628420.0, 4278960.0, 6.6, 6.6, 1.5); (628440.0, 4278960.0, 6.5, 6.5, 1.5);
 (629720.0, 4278960.0, 3.9, 3.9, 1.5); (629740.0, 4278960.0, 4.6, 4.6, 1.5);
 (629760.0, 4278960.0, 4.4, 4.4, 1.5); (628100.0, 4278980.0, 6.6, 6.6, 1.5);
 (628120.0, 4278980.0, 6.5, 6.5, 1.5); (628140.0, 4278980.0, 6.5, 6.5, 1.5);
 (628160.0, 4278980.0, 6.5, 6.5, 1.5); (628180.0, 4278980.0, 6.4, 6.4, 1.5);
 (628300.0, 4278980.0, 6.4, 6.4, 1.5); (628320.0, 4278980.0, 6.7, 6.7, 1.5);
 (628340.0, 4278980.0, 6.6, 6.6, 1.5); (628360.0, 4278980.0, 6.5, 6.5, 1.5);
 (628380.0, 4278980.0, 6.4, 6.4, 1.5); (628400.0, 4278980.0, 6.5, 6.5, 1.5);
 (628420.0, 4278980.0, 6.3, 6.3, 1.5); (628440.0, 4278980.0, 6.3, 6.3, 1.5);
 (629720.0, 4278980.0, 3.7, 3.7, 1.5); (629740.0, 4278980.0, 4.2, 4.2, 1.5);
 (629760.0, 4278980.0, 3.9, 4.2, 1.5); (628100.0, 4279000.0, 6.7, 6.7, 1.5);
 (628120.0, 4279000.0, 6.8, 6.8, 1.5); (628140.0, 4279000.0, 6.8, 6.8, 1.5);
 (628160.0, 4279000.0, 6.7, 6.7, 1.5); (628180.0, 4279000.0, 6.7, 6.7, 1.5);
 (628200.0, 4279000.0, 6.7, 6.7, 1.5); (628220.0, 4279000.0, 6.5, 6.5, 1.5);
 (628240.0, 4279000.0, 5.9, 5.9, 1.5); (628320.0, 4279000.0, 5.9, 5.9, 1.5);
 (628340.0, 4279000.0, 6.3, 6.3, 1.5); (628360.0, 4279000.0, 6.3, 6.3, 1.5);

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(628380.0, 4279000.0, 6.5, 6.5, 1.5); (628400.0,
4279000.0, 6.7, 6.7, 1.5);
(628420.0, 4279000.0, 6.6, 6.6, 1.5); (628440.0,
4279000.0, 6.7, 6.7, 1.5);

▲ *** AERMOD - VERSION 21112 *** **

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(629700.0, 4279000.0, 4.4, 4.4, 1.5); (629720.0,
4279000.0, 4.4, 4.4, 1.5);
(629740.0, 4279000.0, 3.8, 3.8, 1.5); (629760.0,
4279000.0, 3.7, 3.7, 1.5);
(629780.0, 4279000.0, 3.9, 3.9, 1.5); (628100.0,
4279020.0, 6.6, 6.6, 1.5);
(628120.0, 4279020.0, 6.7, 6.7, 1.5); (628140.0,
4279020.0, 6.9, 6.9, 1.5);
(628160.0, 4279020.0, 6.8, 6.8, 1.5); (628180.0,
4279020.0, 6.8, 6.8, 1.5);
(628200.0, 4279020.0, 6.8, 6.8, 1.5); (628220.0,
4279020.0, 6.8, 6.8, 1.5);
(628240.0, 4279020.0, 6.1, 6.1, 1.5); (628400.0,
4279020.0, 6.0, 6.0, 1.5);
(628420.0, 4279020.0, 6.4, 6.8, 1.5); (628440.0,
4279020.0, 6.3, 6.3, 1.5);
(629680.0, 4279020.0, 4.0, 4.0, 1.5); (629700.0,
4279020.0, 4.3, 4.3, 1.5);
(629720.0, 4279020.0, 4.3, 4.3, 1.5); (629740.0,
4279020.0, 4.1, 4.1, 1.5);
(629760.0, 4279020.0, 3.3, 3.3, 1.5); (629780.0,
4279020.0, 4.2, 4.2, 1.5);
(628100.0, 4279040.0, 6.5, 6.5, 1.5); (628120.0,
4279040.0, 6.6, 6.6, 1.5);
(628140.0, 4279040.0, 6.9, 6.9, 1.5); (628160.0,
4279040.0, 6.7, 6.7, 1.5);
(628180.0, 4279040.0, 6.7, 6.7, 1.5); (628200.0,
4279040.0, 6.8, 6.8, 1.5);
(628220.0, 4279040.0, 6.9, 6.9, 1.5); (628240.0,
4279040.0, 6.1, 6.1, 1.5);
(629680.0, 4279040.0, 4.8, 4.8, 1.5); (629700.0,

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4279040.0, 3.8, 3.8, 1.5);
 (629720.0, 4279040.0, 3.5, 3.5, 1.5); (629740.0,
 4279040.0, 3.1, 3.1, 1.5);
 (629760.0, 4279040.0, 3.6, 3.6, 1.5); (629780.0,
 4279040.0, 4.3, 4.3, 1.5);
 (628100.0, 4279060.0, 6.4, 6.4, 1.5); (628120.0,
 4279060.0, 6.7, 6.7, 1.5);
 (628140.0, 4279060.0, 6.8, 6.8, 1.5); (628160.0,
 4279060.0, 6.9, 6.9, 1.5);
 (628180.0, 4279060.0, 7.0, 7.0, 1.5); (628200.0,
 4279060.0, 7.0, 7.0, 1.5);
 (628220.0, 4279060.0, 6.9, 6.9, 1.5); (628240.0,
 4279060.0, 6.2, 6.2, 1.5);
 (629660.0, 4279060.0, 4.8, 4.8, 1.5); (629680.0,
 4279060.0, 4.4, 4.4, 1.5);
 (629700.0, 4279060.0, 4.1, 4.1, 1.5); (629720.0,
 4279060.0, 3.8, 3.8, 1.5);
 (629740.0, 4279060.0, 3.3, 3.3, 1.5); (629760.0,
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 (629780.0, 4279060.0, 2.6, 4.1, 1.5); (628100.0,
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 (628120.0, 4279080.0, 6.5, 6.5, 1.5); (628140.0,
 4279080.0, 6.7, 6.7, 1.5);
 (628160.0, 4279080.0, 7.0, 7.0, 1.5); (628180.0,
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 (628200.0, 4279080.0, 7.2, 7.2, 1.5); (628220.0,
 4279080.0, 7.0, 7.0, 1.5);
 (628300.0, 4279080.0, 7.4, 7.4, 1.5); (628320.0,
 4279080.0, 7.2, 7.2, 1.5);
 (628340.0, 4279080.0, 6.8, 6.8, 1.5); (628360.0,
 4279080.0, 6.5, 6.5, 1.5);
 (629640.0, 4279080.0, 4.8, 4.8, 1.5); (629660.0,
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 (629680.0, 4279080.0, 4.2, 4.2, 1.5); (629700.0,
 4279080.0, 4.6, 4.6, 1.5);
 (629720.0, 4279080.0, 3.2, 4.6, 1.5); (628100.0,
 4279100.0, 6.4, 6.4, 1.5);
 (628120.0, 4279100.0, 6.7, 6.7, 1.5); (628140.0,
 4279100.0, 6.9, 6.9, 1.5);
 (628160.0, 4279100.0, 7.0, 7.0, 1.5); (628180.0,
 4279100.0, 7.2, 7.2, 1.5);
 (628200.0, 4279100.0, 7.2, 7.2, 1.5); (628220.0,
 4279100.0, 7.0, 7.0, 1.5);
 (628300.0, 4279100.0, 7.3, 7.3, 1.5); (628320.0,
 4279100.0, 6.9, 6.9, 1.5);
 (628340.0, 4279100.0, 6.6, 6.6, 1.5); (628360.0,
 4279100.0, 6.2, 6.2, 1.5);
 (629620.0, 4279100.0, 4.4, 4.4, 1.5); (629640.0,

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4279100.0, 4.7, 4.7, 1.5);
 (629660.0, 4279100.0, 4.2, 4.2, 1.5); (629680.0,
 4279100.0, 4.4, 4.4, 1.5);
 (629700.0, 4279100.0, 4.5, 4.5, 1.5); (628080.0,
 4279120.0, 6.5, 6.5, 1.5);
 (628100.0, 4279120.0, 6.4, 6.4, 1.5); (628120.0,
 4279120.0, 6.5, 6.5, 1.5);
 (628140.0, 4279120.0, 6.8, 6.8, 1.5); (628160.0,
 4279120.0, 7.0, 7.0, 1.5);
 (628180.0, 4279120.0, 7.0, 7.0, 1.5); (628200.0,
 4279120.0, 7.2, 7.2, 1.5);

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(628220.0, 4279120.0, 6.9, 6.9, 1.5); (628300.0,
 4279120.0, 7.2, 7.2, 1.5);
 (628320.0, 4279120.0, 7.0, 7.0, 1.5); (628340.0,
 4279120.0, 6.6, 6.6, 1.5);
 (628360.0, 4279120.0, 6.3, 6.3, 1.5); (629600.0,
 4279120.0, 3.7, 3.7, 1.5);
 (629620.0, 4279120.0, 4.5, 4.5, 1.5); (629640.0,
 4279120.0, 4.7, 4.7, 1.5);
 (629660.0, 4279120.0, 3.9, 3.9, 1.5); (629680.0,
 4279120.0, 4.4, 4.4, 1.5);
 (629700.0, 4279120.0, 4.2, 4.2, 1.5); (628080.0,
 4279140.0, 6.2, 6.2, 1.5);
 (628100.0, 4279140.0, 6.4, 6.4, 1.5); (628120.0,
 4279140.0, 6.6, 6.6, 1.5);
 (628140.0, 4279140.0, 6.7, 6.7, 1.5); (628160.0,
 4279140.0, 6.8, 6.8, 1.5);
 (628180.0, 4279140.0, 6.9, 6.9, 1.5); (628200.0,
 4279140.0, 6.9, 6.9, 1.5);
 (628220.0, 4279140.0, 6.8, 6.8, 1.5); (628300.0,
 4279140.0, 7.1, 7.1, 1.5);
 (628320.0, 4279140.0, 6.9, 6.9, 1.5); (628340.0,
 4279140.0, 6.6, 6.6, 1.5);
 (628360.0, 4279140.0, 6.3, 6.3, 1.5); (629580.0,
 4279140.0, 4.0, 4.0, 1.5);

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(629600.0, 4279140.0, 4.8, 4.8, 1.5); (629620.0, 4279140.0, 4.5, 4.5, 1.5);
 (629640.0, 4279140.0, 4.4, 4.4, 1.5); (629660.0, 4279140.0, 4.2, 4.2, 1.5);
 (629680.0, 4279140.0, 4.5, 4.5, 1.5); (629700.0, 4279140.0, 3.8, 3.8, 1.5);
 (628060.0, 4279160.0, 6.3, 6.3, 1.5); (628080.0, 4279160.0, 6.4, 6.4, 1.5);
 (628100.0, 4279160.0, 6.5, 6.5, 1.5); (628120.0, 4279160.0, 6.7, 6.7, 1.5);
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 (628180.0, 4279160.0, 6.8, 6.8, 1.5); (628200.0, 4279160.0, 6.8, 6.8, 1.5);
 (628220.0, 4279160.0, 6.8, 6.8, 1.5); (629580.0, 4279160.0, 4.8, 4.8, 1.5);
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 (629640.0, 4279160.0, 4.7, 4.7, 1.5); (629660.0, 4279160.0, 4.6, 4.6, 1.5);
 (629680.0, 4279160.0, 4.2, 4.2, 1.5); (628060.0, 4279180.0, 6.3, 6.3, 1.5);
 (628080.0, 4279180.0, 6.5, 6.5, 1.5); (628100.0, 4279180.0, 6.5, 6.5, 1.5);
 (628120.0, 4279180.0, 6.6, 6.6, 1.5); (628140.0, 4279180.0, 6.7, 6.7, 1.5);
 (628160.0, 4279180.0, 6.7, 6.7, 1.5); (628180.0, 4279180.0, 6.7, 6.7, 1.5);
 (628200.0, 4279180.0, 6.8, 6.8, 1.5); (628220.0, 4279180.0, 6.8, 6.8, 1.5);
 (628060.0, 4279200.0, 6.3, 6.3, 1.5); (628080.0, 4279200.0, 6.4, 6.4, 1.5);
 (628100.0, 4279200.0, 6.5, 6.5, 1.5); (628120.0, 4279200.0, 6.5, 6.5, 1.5);
 (628140.0, 4279200.0, 6.6, 6.6, 1.5); (628160.0, 4279200.0, 6.6, 6.6, 1.5);
 (628180.0, 4279200.0, 6.7, 6.7, 1.5); (628200.0, 4279200.0, 6.8, 6.8, 1.5);
 (628220.0, 4279200.0, 6.8, 6.8, 1.5); (628040.0, 4279220.0, 6.3, 6.3, 1.5);
 (628060.0, 4279220.0, 6.3, 6.3, 1.5); (628080.0, 4279220.0, 6.4, 6.4, 1.5);
 (628100.0, 4279220.0, 6.4, 6.4, 1.5); (628120.0, 4279220.0, 6.4, 6.4, 1.5);
 (628140.0, 4279220.0, 6.5, 6.5, 1.5); (628160.0, 4279220.0, 6.6, 6.6, 1.5);
 (628180.0, 4279220.0, 6.6, 6.6, 1.5); (628200.0, 4279220.0, 6.6, 6.6, 1.5);

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(628220.0, 4279220.0, 6.7, 6.7, 1.5); (628240.0,
4279220.0, 6.0, 6.0, 1.5);
(628040.0, 4279240.0, 6.5, 6.5, 1.5); (628060.0,
4279240.0, 6.3, 6.3, 1.5);
(628080.0, 4279240.0, 6.3, 6.3, 1.5); (628100.0,
4279240.0, 6.4, 6.4, 1.5);
(628120.0, 4279240.0, 6.3, 6.3, 1.5); (628140.0,
4279240.0, 6.5, 6.5, 1.5);
(628160.0, 4279240.0, 6.5, 6.5, 1.5); (628180.0,
4279240.0, 6.5, 6.5, 1.5);
(628200.0, 4279240.0, 6.6, 6.6, 1.5); (628220.0,
4279240.0, 6.6, 6.6, 1.5);
(628240.0, 4279240.0, 6.4, 6.4, 1.5); (629560.0,
4279240.0, 4.1, 4.1, 1.5);
(628040.0, 4279260.0, 6.2, 6.2, 1.5); (628060.0,
4279260.0, 6.3, 6.3, 1.5);
(628080.0, 4279260.0, 6.3, 6.3, 1.5); (628100.0,
4279260.0, 6.3, 6.3, 1.5);

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(628120.0, 4279260.0, 6.3, 6.3, 1.5); (628140.0,
4279260.0, 6.4, 6.4, 1.5);
(628160.0, 4279260.0, 6.4, 6.4, 1.5); (628180.0,
4279260.0, 6.5, 6.5, 1.5);
(628200.0, 4279260.0, 6.5, 6.5, 1.5); (628220.0,
4279260.0, 6.6, 6.6, 1.5);
(628240.0, 4279260.0, 6.5, 6.5, 1.5); (629540.0,
4279260.0, 4.4, 4.4, 1.5);
(629560.0, 4279260.0, 4.4, 4.4, 1.5); (629580.0,
4279260.0, 4.2, 4.2, 1.5);
(629600.0, 4279260.0, 4.0, 4.0, 1.5); (628080.0,
4279280.0, 6.4, 6.4, 1.5);
(628100.0, 4279280.0, 6.3, 6.3, 1.5); (628120.0,
4279280.0, 6.2, 6.2, 1.5);
(628140.0, 4279280.0, 6.2, 6.2, 1.5); (628160.0,
4279280.0, 6.3, 6.3, 1.5);
(628180.0, 4279280.0, 6.4, 6.4, 1.5); (628200.0,

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 (628220.0, 4279280.0, 6.4, 6.4, 1.5); (629520.0,
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 (629540.0, 4279280.0, 4.3, 4.3, 1.5); (629560.0,
 4279280.0, 4.0, 4.0, 1.5);
 (629580.0, 4279280.0, 4.1, 4.1, 1.5); (629600.0,
 4279280.0, 4.2, 4.2, 1.5);
 (629620.0, 4279280.0, 4.1, 4.1, 1.5); (629640.0,
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 (629560.0, 4279300.0, 4.0, 4.0, 1.5); (629580.0,
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 (629600.0, 4279300.0, 4.2, 4.2, 1.5); (629620.0,
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 (629640.0, 4279300.0, 4.2, 4.2, 1.5); (629660.0,
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 (629520.0, 4279320.0, 4.3, 4.3, 1.5); (629540.0,
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 (629560.0, 4279320.0, 4.3, 4.3, 1.5); (629580.0,
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 (629600.0, 4279320.0, 3.8, 3.8, 1.5); (629620.0,
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 (629680.0, 4279320.0, 4.4, 4.4, 1.5); (629700.0,
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 (629560.0, 4279340.0, 4.4, 4.4, 1.5); (629580.0,
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 (629640.0, 4279340.0, 3.8, 3.8, 1.5); (629660.0,
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 (629540.0, 4279360.0, 4.2, 4.2, 1.5); (629560.0,
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 (629580.0, 4279360.0, 3.9, 3.9, 1.5); (629600.0,
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 (629620.0, 4279360.0, 4.3, 4.3, 1.5); (629640.0,
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 (629660.0, 4279360.0, 4.1, 4.1, 1.5); (629680.0,

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4279360.0, 4.1, 4.1, 1.5);
 (629700.0, 4279360.0, 4.4, 4.4, 1.5); (629720.0,
 4279360.0, 4.4, 4.4, 1.5);
 (629740.0, 4279360.0, 4.5, 4.5, 1.5); (629760.0,
 4279360.0, 4.6, 4.6, 1.5);
 (629520.0, 4279380.0, 4.6, 4.6, 1.5); (629540.0,
 4279380.0, 4.2, 4.2, 1.5);
 (629560.0, 4279380.0, 4.2, 4.2, 1.5); (629580.0,
 4279380.0, 4.0, 4.0, 1.5);
 (629600.0, 4279380.0, 4.2, 4.2, 1.5); (629620.0,
 4279380.0, 4.3, 4.3, 1.5);
 (629640.0, 4279380.0, 4.3, 4.3, 1.5); (629660.0,
 4279380.0, 4.3, 4.3, 1.5);
 (629680.0, 4279380.0, 4.2, 4.2, 1.5); (629700.0,
 4279380.0, 4.4, 4.4, 1.5);
 (629720.0, 4279380.0, 4.0, 4.0, 1.5); (629740.0,
 4279380.0, 4.5, 4.5, 1.5);
 (629520.0, 4279400.0, 4.6, 4.6, 1.5); (629540.0,
 4279400.0, 4.4, 4.4, 1.5);
 (629560.0, 4279400.0, 4.3, 4.3, 1.5); (629580.0,
 4279400.0, 3.9, 3.9, 1.5);
 (629600.0, 4279400.0, 4.2, 4.2, 1.5); (629620.0,
 4279400.0, 4.4, 4.4, 1.5);
 (629640.0, 4279400.0, 4.5, 4.5, 1.5); (629660.0,
 4279400.0, 4.5, 4.5, 1.5);

▲ *** AERMOD - VERSION 21112 *** ***

C:\Model\Natomas\Natomas_CSTN_062921\Natomas_CSTN_062921.isc

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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(629680.0, 4279400.0, 4.1, 4.1, 1.5); (629700.0,
 4279400.0, 4.6, 4.6, 1.5);
 (629720.0, 4279400.0, 4.3, 4.3, 1.5); (629040.0,
 4279420.0, 5.4, 5.4, 1.5);
 (629060.0, 4279420.0, 5.0, 5.0, 1.5); (629520.0,
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 (629540.0, 4279420.0, 4.6, 4.6, 1.5); (629560.0,
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 (629580.0, 4279420.0, 4.2, 4.2, 1.5); (629600.0,
 4279420.0, 4.4, 4.4, 1.5);

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(629620.0, 4279420.0, 4.6, 4.6, 1.5); (629640.0, 4279420.0, 4.5, 4.5, 1.5);
 (629660.0, 4279420.0, 4.5, 4.5, 1.5); (629680.0, 4279420.0, 4.2, 4.2, 1.5);
 (629700.0, 4279420.0, 4.6, 4.6, 1.5); (629040.0, 4279440.0, 5.8, 5.8, 1.5);
 (629060.0, 4279440.0, 5.7, 5.7, 1.5); (629580.0, 4279440.0, 4.3, 4.3, 1.5);
 (629600.0, 4279440.0, 4.2, 4.2, 1.5); (629620.0, 4279440.0, 4.5, 4.5, 1.5);
 (629640.0, 4279440.0, 4.2, 4.2, 1.5); (629660.0, 4279440.0, 4.4, 4.4, 1.5);
 (629680.0, 4279440.0, 3.9, 3.9, 1.5); (629580.0, 4279460.0, 4.5, 4.5, 1.5);
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 (629180.0, 4279680.0, 5.5, 5.5, 1.5); (629200.0, 4279680.0, 5.5, 5.5, 1.5);
 (629140.0, 4279700.0, 5.5, 5.5, 1.5); (629160.0, 4279700.0, 5.4, 5.4, 1.5);
 (629180.0, 4279700.0, 5.3, 5.3, 1.5); (629200.0, 4279700.0, 5.2, 5.2, 1.5);
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 (629300.0, 4279700.0, 4.8, 4.8, 1.5); (629320.0, 4279700.0, 4.8, 4.8, 1.5);
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( 629060.0, 4279760.0, 5.6, 5.6, 1.5); ( 629080.0,
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( 629140.0, 4279760.0, 5.1, 5.1, 1.5); ( 629160.0,
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▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

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( 629220.0, 4279760.0, 4.8, 4.8, 1.5); ( 629240.0,

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Natomas_CSTN_062921

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Natomas_CSTN_062921

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 (629080.0, 4279820.0, 5.6, 5.6, 1.5); (629100.0,
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 (629120.0, 4279820.0, 5.4, 5.4, 1.5); (629140.0,
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 (629160.0, 4279820.0, 5.4, 5.4, 1.5); (629180.0,
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 (629200.0, 4279820.0, 4.9, 4.9, 1.5); (629220.0,
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 (629240.0, 4279820.0, 4.5, 4.5, 1.5); (629260.0,
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 (629280.0, 4279820.0, 4.7, 4.7, 1.5); (629300.0,
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 (629320.0, 4279820.0, 4.7, 4.7, 1.5); (629340.0,
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 (629360.0, 4279820.0, 4.5, 4.5, 1.5); (628920.0,
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 (628940.0, 4279840.0, 5.6, 5.6, 1.5); (628960.0,
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 (628980.0, 4279840.0, 5.6, 5.6, 1.5); (629000.0,
 4279840.0, 5.5, 5.5, 1.5);

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***
*** 17:40:15

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

Natomas_CSTN_062921

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(629020.0, 4279840.0,	5.6,	5.6,	1.5);	(629040.0,
4279840.0, 5.5,	5.5,	1.5);		
(629060.0, 4279840.0,	5.4,	5.4,	1.5);	(629080.0,
4279840.0, 5.5,	5.5,	1.5);		
(629100.0, 4279840.0,	5.3,	5.3,	1.5);	(629120.0,
4279840.0, 5.2,	5.2,	1.5);		
(629140.0, 4279840.0,	5.2,	5.2,	1.5);	(629160.0,
4279840.0, 5.3,	5.3,	1.5);		
(629180.0, 4279840.0,	5.0,	5.0,	1.5);	(629200.0,
4279840.0, 4.9,	4.9,	1.5);		
(629220.0, 4279840.0,	4.8,	4.8,	1.5);	(629240.0,
4279840.0, 4.7,	4.7,	1.5);		
(629260.0, 4279840.0,	4.8,	4.8,	1.5);	(629280.0,
4279840.0, 4.7,	4.7,	1.5);		
(629300.0, 4279840.0,	4.7,	4.7,	1.5);	(629320.0,
4279840.0, 4.8,	4.8,	1.5);		
(629340.0, 4279840.0,	4.7,	4.7,	1.5);	(629360.0,
4279840.0, 4.7,	4.7,	1.5);		
(628920.0, 4279860.0,	5.5,	5.5,	1.5);	(628940.0,
4279860.0, 5.6,	5.6,	1.5);		
(628960.0, 4279860.0,	5.4,	5.4,	1.5);	(628980.0,
4279860.0, 5.6,	5.6,	1.5);		
(629000.0, 4279860.0,	5.7,	5.7,	1.5);	(629020.0,
4279860.0, 5.7,	5.7,	1.5);		
(629040.0, 4279860.0,	5.6,	5.6,	1.5);	(629060.0,
4279860.0, 5.5,	5.5,	1.5);		
(629080.0, 4279860.0,	5.7,	5.7,	1.5);	(629100.0,
4279860.0, 5.3,	5.3,	1.5);		
(629120.0, 4279860.0,	5.2,	5.2,	1.5);	(629140.0,
4279860.0, 5.0,	5.0,	1.5);		
(629160.0, 4279860.0,	4.8,	4.8,	1.5);	(629180.0,
4279860.0, 4.7,	4.7,	1.5);		
(629200.0, 4279860.0,	4.5,	4.5,	1.5);	(629220.0,
4279860.0, 4.8,	4.8,	1.5);		
(629240.0, 4279860.0,	4.9,	4.9,	1.5);	(629260.0,
4279860.0, 4.8,	4.8,	1.5);		
(629280.0, 4279860.0,	4.6,	4.6,	1.5);	(629300.0,
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(629320.0, 4279860.0,	4.7,	4.7,	1.5);	(629340.0,
4279860.0, 4.8,	4.8,	1.5);		
(628920.0, 4279880.0,	5.5,	5.5,	1.5);	(628940.0,
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(628960.0, 4279880.0,	5.3,	5.3,	1.5);	(628980.0,
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Natomas_CSTN_062921

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 (629280.0, 4279880.0, 4.5, 4.5, 1.5); (629300.0, 4279880.0, 4.6, 4.6, 1.5);
 (629320.0, 4279880.0, 4.7, 4.7, 1.5); (628920.0, 4279900.0, 5.5, 5.5, 1.5);
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 (629100.0, 4279900.0, 5.1, 5.1, 1.5); (629120.0, 4279900.0, 5.1, 5.1, 1.5);
 (629140.0, 4279900.0, 4.9, 4.9, 1.5); (629160.0, 4279900.0, 4.9, 4.9, 1.5);
 (629180.0, 4279900.0, 5.0, 5.0, 1.5); (629200.0, 4279900.0, 5.0, 5.0, 1.5);
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 (629020.0, 4279920.0, 5.6, 5.6, 1.5); (629040.0, 4279920.0, 5.6, 5.6, 1.5);
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▲ *** AERMOD - VERSION 21112 *** **

C:\Model\Natomas\Natomas_CSTN_062921\Natomas_CSTN_062921.isc

Natomas_CSTN_062921

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*** AERMET - VERSION 19191 ***
*** 17:40:15

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(629100.0, 4279920.0,	5.1,	5.1,	1.5);	(629120.0,
4279920.0, 4.9, 4.9,	1.5);			
(629140.0, 4279920.0,	4.9,	4.9,	1.5);	(629160.0,
4279920.0, 5.0, 5.0,	1.5);			
(629180.0, 4279920.0,	5.4,	5.4,	1.5);	(629200.0,
4279920.0, 5.2, 5.2,	1.5);			
(629220.0, 4279920.0,	4.9,	4.9,	1.5);	(629240.0,
4279920.0, 4.9, 4.9,	1.5);			
(629260.0, 4279920.0,	4.7,	4.7,	1.5);	(629540.0,
4278840.0, 4.2, 4.2,	1.5);			
(629540.0, 4278820.0,	4.4,	4.4,	1.5);	(629560.0,
4278820.0, 4.2, 4.2,	1.5);			
(629580.0, 4278820.0,	4.0,	4.0,	1.5);	(629560.0,
4278840.0, 4.2, 4.2,	1.5);			

▲ *** AERMOD - VERSION 21112 ***

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR

PROCESSING ***

(1=YES; 0=NO)

1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1		
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1		
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1		
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1		
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1		

Natomas_CSTN_062921
1
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1 1

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

10.80, 1.54, 3.09, 5.14, 8.23,

*** AERMOD - VERSION 21112 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\MET Sac EXE\14-18.SFC
Met Version: 19191
Profile file: ..\MET Sac EXE\14-18.PFL

Surface format: FREE
Profile format: FREE

Surface station no.: 23232 Upper air station no.: 23230
Name: SACRAMENTO/EXECUTIVE_ARPT Name:
OAKLAND/WSO_AP
Year: 2014 Year: 2014

First 24 hours of scalar data
YR MO DY JDY HR H0 U* W* DT/DZ ZICNV ZIMCH M-O LEN Z0 BOWEN
ALBEDO REF WS WD HT REF TA HT

14 01 01 1 01 -1.4 0.061 -9.000 -9.000 -999. 36. 14.2 0.04 0.93

Natomas_CSTN_062921

1.00	0.62	152.	10.1	274.9	2.0							
14 01 01	1 02	-4.9	0.096	-9.000	-9.000	-999.	72.	16.7	0.16	0.93		
1.00	1.08	107.	10.1	274.2	2.0							
14 01 01	1 03	-5.3	0.100	-9.000	-9.000	-999.	76.	17.3	0.16	0.93		
1.00	1.13	95.	10.1	274.2	2.0							
14 01 01	1 04	-2.4	0.075	-9.000	-9.000	-999.	49.	15.4	0.16	0.93		
1.00	0.70	117.	10.1	273.8	2.0							
14 01 01	1 05	-3.8	0.084	-9.000	-9.000	-999.	59.	14.5	0.11	0.93		
1.00	1.03	120.	10.1	273.1	2.0							
14 01 01	1 06	-2.3	0.072	-9.000	-9.000	-999.	46.	14.5	0.11	0.93		
1.00	0.74	128.	10.1	273.1	2.0							
14 01 01	1 07	-1.3	0.061	-9.000	-9.000	-999.	36.	16.0	0.05	0.93		
1.00	0.53	232.	10.1	273.1	2.0							
14 01 01	1 08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.08	0.93		
0.76	0.00	0.	10.1	273.1	2.0							
14 01 01	1 09	-1.5	0.085	-9.000	-9.000	-999.	60.	38.3	0.11	0.93		
0.40	1.03	133.	10.1	278.1	2.0							
14 01 01	1 10	40.2	0.170	0.461	0.019	88.	168.	-11.2	0.11	0.93		
0.28	1.50	122.	10.1	281.4	2.0							
14 01 01	1 11	74.7	0.195	0.704	0.017	170.	206.	-9.0	0.11	0.93		
0.23	1.67	140.	10.1	283.8	2.0							
14 01 01	1 12	94.4	0.181	0.832	0.016	222.	184.	-5.7	0.04	0.93		
0.22	1.88	157.	10.1	286.4	2.0							
14 01 01	1 13	97.3	0.170	0.891	0.014	265.	168.	-4.6	0.04	0.93		
0.22	1.71	173.	10.1	287.5	2.0							
14 01 01	1 14	84.1	0.178	0.894	0.013	309.	181.	-6.1	0.04	0.93		
0.23	1.81	202.	10.1	289.2	2.0							
14 01 01	1 15	54.8	0.119	0.824	0.012	371.	99.	-2.8	0.04	0.93		
0.26	1.08	189.	10.1	289.9	2.0							
14 01 01	1 16	12.2	0.060	0.506	0.012	384.	36.	-1.6	0.04	0.93		
0.35	0.52	169.	10.1	288.8	2.0							
14 01 01	1 17	-2.3	0.067	-9.000	-9.000	-999.	42.	11.9	0.04	0.93		
0.60	0.96	173.	10.1	286.4	2.0							
14 01 01	1 18	-1.7	0.066	-9.000	-9.000	-999.	40.	15.2	0.09	0.93		
1.00	0.62	252.	10.1	283.8	2.0							
14 01 01	1 19	-1.7	0.069	-9.000	-9.000	-999.	43.	17.0	0.15	0.93		
1.00	0.55	79.	10.1	281.4	2.0							
14 01 01	1 20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.08	0.93		
1.00	0.00	0.	10.1	280.4	2.0							
14 01 01	1 21	-1.7	0.062	-9.000	-9.000	-999.	37.	13.4	0.04	0.93		
1.00	0.69	7.	10.1	279.2	2.0							
14 01 01	1 22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.08	0.93		
1.00	0.00	0.	10.1	278.1	2.0							
14 01 01	1 23	-1.3	0.060	-9.000	-9.000	-999.	35.	14.8	0.04	0.93		
1.00	0.58	28.	10.1	277.5	2.0							
14 01 01	1 24	-2.2	0.067	-9.000	-9.000	-999.	42.	12.2	0.04	0.93		
1.00	0.87	24.	10.1	277.5	2.0							

Natomas_CSTN_062921

First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV
 14 01 01 01 10.1 1 152. 0.62 274.9 99.0 -99.00 -99.00

F indicates top of profile (=1) or below (=0)

▲ *** AERMOD - VERSION 21112 *** **

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: C_CNU ***

INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629540.00	4278320.00	2.36899	629560.00
4278320.00	2.26751		
629540.00	4278340.00	2.41619	629560.00
4278340.00	2.31056		
629580.00	4278340.00	2.20980	629520.00
4278360.00	2.58067		
629540.00	4278360.00	2.46278	629560.00
4278360.00	2.35105		
629580.00	4278360.00	2.24494	629600.00
4278360.00	2.14490		
629620.00	4278360.00	2.05052	629640.00
4278360.00	1.96165		
629660.00	4278360.00	1.87781	629680.00
4278360.00	1.79894		
629700.00	4278360.00	1.72462	629720.00
4278360.00	1.65481		
629520.00	4278380.00	2.63164	629540.00
4278380.00	2.50742		
629560.00	4278380.00	2.38961	629580.00

Natomas_CSTN_062921

4278380.00	2.27837			
629600.00	4278380.00	2.17354		629620.00
4278380.00	2.07538			
629640.00	4278380.00	1.98288		629660.00
4278380.00	1.89636			
629680.00	4278380.00	1.81521		629700.00
4278380.00	1.73932			
629720.00	4278380.00	1.66778		629500.00
4278400.00	2.82226			
629520.00	4278400.00	2.68164		629540.00
4278400.00	2.54935			
629560.00	4278400.00	2.42588		629580.00
4278400.00	2.30985			
629600.00	4278400.00	2.20049		629620.00
4278400.00	2.09891			
629640.00	4278400.00	2.00363		629660.00
4278400.00	1.91455			
629680.00	4278400.00	1.83123		629700.00
4278400.00	1.75359			
629720.00	4278400.00	1.68070		629480.00
4278420.00	3.03965			
629500.00	4278420.00	2.87724		629520.00
4278420.00	2.72865			
629540.00	4278420.00	2.58991		629560.00
4278420.00	2.46063			
629580.00	4278420.00	2.33929		629600.00
4278420.00	2.22613			
629620.00	4278420.00	2.12106		629640.00
4278420.00	2.02296			
629660.00	4278420.00	1.93164		629680.00
4278420.00	1.84650			
629700.00	4278420.00	1.76732		629720.00
4278420.00	1.69352			
629480.00	4278440.00	3.09793		629500.00
4278440.00	2.92994			
629520.00	4278440.00	2.77350		629540.00
4278440.00	2.62814			
629560.00	4278440.00	2.49292		629580.00
4278440.00	2.36685			
629600.00	4278440.00	2.25015		629620.00
4278440.00	2.14212			
629640.00	4278440.00	2.04173		629660.00
4278440.00	1.94834			
629680.00	4278440.00	1.86148		629700.00
4278440.00	1.78113			
629720.00	4278440.00	1.70602		629460.00
4278460.00	3.34965			
629480.00	4278460.00	3.15657		629500.00

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4278460.00	2.97896			
629520.00	4278460.00	2.81532		629540.00
4278460.00	2.66368			
629560.00	4278460.00	2.52309		629580.00
4278460.00	2.39281			
629600.00	4278460.00	2.27278		629620.00
4278460.00	2.16194			
629640.00	4278460.00	2.05954		629660.00
4278460.00	1.96450			
629680.00	4278460.00	1.87621		629700.00
4278460.00	1.79448			
629720.00	4278460.00	1.71850		629440.00
4278480.00	3.64306			

▲ *** AERMOD - VERSION 21112 *** **

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_CNU ***
INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629460.00	4278480.00	3.41193	629480.00
4278480.00	3.21027		
629500.00	4278480.00	3.02494	629520.00
4278480.00	2.85416		
629540.00	4278480.00	2.69640	629560.00
4278480.00	2.55123		
629580.00	4278480.00	2.41744	629600.00
4278480.00	2.29450		
629620.00	4278480.00	2.18135	629640.00
4278480.00	2.07677		
629660.00	4278480.00	1.98020	629680.00
4278480.00	1.89056		

Natomas_CSTN_062921

629700.00	4278480.00	1.80792	629720.00
4278480.00	1.73097		
629440.00	4278500.00	3.71068	629460.00
4278500.00	3.47337		
629480.00	4278500.00	3.26210	629500.00
4278500.00	3.06766		
629520.00	4278500.00	2.88990	629540.00
4278500.00	2.72703		
629560.00	4278500.00	2.57776	629580.00
4278500.00	2.44049		
629600.00	4278500.00	2.31505	629620.00
4278500.00	2.19990		
629640.00	4278500.00	2.09370	629660.00
4278500.00	1.99569		
629680.00	4278500.00	1.90491	629700.00
4278500.00	1.82095		
629720.00	4278500.00	1.74336	629420.00
4278520.00	4.05444		
629440.00	4278520.00	3.77382	629460.00
4278520.00	3.52814		
629480.00	4278520.00	3.30792	629500.00
4278520.00	3.10640		
629520.00	4278520.00	2.92315	629540.00
4278520.00	2.75557		
629560.00	4278520.00	2.60267	629580.00
4278520.00	2.46248		
629600.00	4278520.00	2.33465	629620.00
4278520.00	2.21781		
629640.00	4278520.00	2.11012	629660.00
4278520.00	2.01081		
629680.00	4278520.00	1.91897	629700.00
4278520.00	1.83409		
629720.00	4278520.00	1.75550	629420.00
4278540.00	4.13519		
629440.00	4278540.00	3.83912	629460.00
4278540.00	3.58272		
629480.00	4278540.00	3.35118	629500.00
4278540.00	3.14214		
629520.00	4278540.00	2.95322	629540.00
4278540.00	2.78222		
629560.00	4278540.00	2.62593	629580.00
4278540.00	2.48319		
629600.00	4278540.00	2.35375	629620.00
4278540.00	2.23486		
629640.00	4278540.00	2.12592	629660.00
4278540.00	2.02541		
629680.00	4278540.00	1.93250	629700.00
4278540.00	1.84659		

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629720.00	4278540.00	1.76720	629460.00
4278560.00	3.63067		
629480.00	4278560.00	3.39005	629500.00
4278560.00	3.17585		
629520.00	4278560.00	2.98210	629540.00
4278560.00	2.80693		
629560.00	4278560.00	2.64770	629580.00
4278560.00	2.50322		
629600.00	4278560.00	2.37137	629620.00
4278560.00	2.25154		
629640.00	4278560.00	2.14122	629660.00
4278560.00	2.03938		
629680.00	4278560.00	1.94536	629700.00
4278560.00	1.85839		
629720.00	4278560.00	1.77821	629480.00
4278580.00	3.42734		
629500.00	4278580.00	3.20583	629520.00
4278580.00	3.00824		
629540.00	4278580.00	2.83035	629560.00
4278580.00	2.66878		

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

VALUES FOR SOURCE GROUP: C_CNU *** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION ***

INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629580.00	4278580.00	2.52174	629600.00
4278580.00	2.38759		
629620.00	4278580.00	2.26633	629640.00
4278580.00	2.15526		
629660.00	4278580.00	2.05232	629680.00

Natomas_CSTN_062921

4278580.00	1.95722			
629700.00	4278580.00	1.86954		629720.00
4278580.00	1.78827			
629520.00	4278600.00	3.03268		629540.00
4278600.00	2.85155			
629560.00	4278600.00	2.68794		629580.00
4278600.00	2.53865			
629600.00	4278600.00	2.40435		629620.00
4278600.00	2.28058			
629640.00	4278600.00	2.16790		629660.00
4278600.00	2.06410			
629680.00	4278600.00	1.96801		629700.00
4278600.00	1.87938			
629720.00	4278600.00	1.79714		629620.00
4278620.00	2.29368			
629640.00	4278620.00	2.17941		629660.00
4278620.00	2.07431			
629680.00	4278620.00	1.97740		629700.00
4278620.00	1.88774			
629720.00	4278620.00	1.80473		629000.00
4278200.00	2.82251			
629020.00	4278200.00	2.89381		629040.00
4278200.00	2.95909			
629060.00	4278200.00	3.02155		629060.00
4278220.00	3.24538			
629080.00	4278220.00	3.29487		629100.00
4278220.00	3.32948			
629120.00	4278220.00	3.36101		629140.00
4278220.00	3.38123			
629160.00	4278220.00	3.38842		629180.00
4278220.00	3.37968			
629100.00	4278240.00	3.58813		629120.00
4278240.00	3.60794			
629140.00	4278240.00	3.61821		629160.00
4278240.00	3.61518			
629180.00	4278240.00	3.60045		629200.00
4278240.00	3.56974			
629220.00	4278240.00	3.53069		629240.00
4278240.00	3.47856			
629260.00	4278240.00	3.41916		629280.00
4278240.00	3.34814			
629300.00	4278240.00	3.26632		629320.00
4278240.00	3.18677			
629140.00	4278260.00	3.88883		629160.00
4278260.00	3.87267			
629180.00	4278260.00	3.84501		629200.00
4278260.00	3.80489			
629220.00	4278260.00	3.75113		629240.00

Natomas_CSTN_062921

4278260.00	3.68620			
629260.00	4278260.00	3.61199		629280.00
4278260.00	3.52695			
629300.00	4278260.00	3.43137		629320.00
4278260.00	3.33789			
629340.00	4278260.00	3.23339		629360.00
4278260.00	3.12351			
629380.00	4278260.00	3.01415		629400.00
4278260.00	2.90470			
629420.00	4278260.00	2.79670		629440.00
4278260.00	2.68953			
629460.00	4278260.00	2.58529		629160.00
4278280.00	4.15720			
629180.00	4278280.00	4.11034		629200.00
4278280.00	4.06074			
629220.00	4278280.00	3.99594		629240.00
4278280.00	3.91553			
629260.00	4278280.00	3.82419		629280.00
4278280.00	3.72145			
629300.00	4278280.00	3.60836		629320.00
4278280.00	3.49617			
629340.00	4278280.00	3.37897		629360.00
4278280.00	3.25541			
629380.00	4278280.00	3.13421		629400.00
4278280.00	3.01363			
629420.00	4278280.00	2.89277		629440.00
4278280.00	2.77697			

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **
*** 17:40:15

PAGE 24

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_CNU ***
INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M) CONC X-COORD (M)
Y-COORD (M) CONC

Natomas_CSTN_062921

629460.00	4278280.00	2.66379	629480.00
4278280.00	2.55675		
629500.00	4278280.00	2.45743	629200.00
4278300.00	4.33363		
629220.00	4278300.00	4.25000	629240.00
4278300.00	4.15353		
629260.00	4278300.00	4.04440	629280.00
4278300.00	3.92550		
629300.00	4278300.00	3.79044	629320.00
4278300.00	3.66443		
629340.00	4278300.00	3.53069	629360.00
4278300.00	3.39442		
629380.00	4278300.00	3.25753	629400.00
4278300.00	3.12367		
629420.00	4278300.00	2.99267	629440.00
4278300.00	2.86392		
629460.00	4278300.00	2.74491	629480.00
4278300.00	2.62905		
629500.00	4278300.00	2.51805	629520.00
4278300.00	2.41607		
629220.00	4278320.00	4.52950	629240.00
4278320.00	4.40790		
629260.00	4278320.00	4.28001	629280.00
4278320.00	4.13947		
629300.00	4278320.00	3.98619	629320.00
4278320.00	3.83897		
629340.00	4278320.00	3.68692	629360.00
4278320.00	3.53300		
629380.00	4278320.00	3.37992	629400.00
4278320.00	3.23199		
629420.00	4278320.00	3.09062	629440.00
4278320.00	2.95327		
629460.00	4278320.00	2.82383	629480.00
4278320.00	2.69881		
629500.00	4278320.00	2.58075	629520.00
4278320.00	2.47537		
629160.00	4278340.00	5.15192	629240.00
4278340.00	4.68699		
629260.00	4278340.00	4.52991	629280.00
4278340.00	4.36847		
629300.00	4278340.00	4.19027	629320.00
4278340.00	4.02007		
629340.00	4278340.00	3.84933	629360.00
4278340.00	3.67349		
629380.00	4278340.00	3.50539	629400.00
4278340.00	3.34296		

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629420.00	4278340.00	3.18970	629440.00
4278340.00	3.04110		
629460.00	4278340.00	2.89960	629480.00
4278340.00	2.76711		
629500.00	4278340.00	2.64575	629140.00
4278360.00	5.65363		
629160.00	4278360.00	5.55977	629180.00
4278360.00	5.44371		
629260.00	4278360.00	4.79954	629280.00
4278360.00	4.60550		
629300.00	4278360.00	4.40442	629320.00
4278360.00	4.20663		
629340.00	4278360.00	4.01696	629360.00
4278360.00	3.82104		
629380.00	4278360.00	3.63493	629400.00
4278360.00	3.45799		
629420.00	4278360.00	3.29184	629440.00
4278360.00	3.13095		
629460.00	4278360.00	2.97774	629480.00
4278360.00	2.83580		
629500.00	4278360.00	2.70930	629140.00
4278380.00	6.13744		
629160.00	4278380.00	6.01126	629180.00
4278380.00	5.86636		
629200.00	4278380.00	5.69429	629280.00
4278380.00	4.86012		
629300.00	4278380.00	4.62865	629320.00
4278380.00	4.40548		
629340.00	4278380.00	4.18708	629360.00
4278380.00	3.96932		
629380.00	4278380.00	3.76476	629400.00
4278380.00	3.57117		
629420.00	4278380.00	3.39215	629440.00
4278380.00	3.21965		

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **

*** 17:40:15

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_CNU ***
INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

Natomas_CSTN_062921

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629460.00	4278380.00	3.05963	629480.00
4278380.00	2.90988		
629180.00	4278400.00	6.32347	629200.00
4278400.00	6.11616		
629220.00	4278400.00	5.88888	629300.00
4278400.00	4.86378		
629320.00	4278400.00	4.61017	629340.00
4278400.00	4.36743		
629360.00	4278400.00	4.12216	629380.00
4278400.00	3.89636		
629400.00	4278400.00	3.68633	629420.00
4278400.00	3.48847		
629440.00	4278400.00	3.30324	629460.00
4278400.00	3.13361		
629180.00	4278420.00	6.84527	629200.00
4278420.00	6.56846		
629220.00	4278420.00	6.29779	629240.00
4278420.00	6.00805		
629300.00	4278420.00	5.11496	629320.00
4278420.00	4.81978		
629340.00	4278420.00	4.54634	629360.00
4278420.00	4.27976		
629380.00	4278420.00	4.02930	629400.00
4278420.00	3.80186		
629420.00	4278420.00	3.58778	629440.00
4278420.00	3.38854		
629460.00	4278420.00	3.21368	629180.00
4278440.00	7.40780		
629200.00	4278440.00	7.08024	629220.00
4278440.00	6.73693		
629240.00	4278440.00	6.40158	629260.00
4278440.00	6.05089		
629320.00	4278440.00	5.03874	629340.00
4278440.00	4.72714		
629360.00	4278440.00	4.43672	629380.00
4278440.00	4.16757		
629400.00	4278440.00	3.92107	629420.00
4278440.00	3.68359		
629440.00	4278440.00	3.47455	629160.00

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4278460.00	8.41688			
	629180.00	4278460.00	8.03115	629200.00
4278460.00	7.63237			
	629220.00	4278460.00	7.22430	629240.00
4278460.00	6.82211			
	629260.00	4278460.00	6.41714	629340.00
4278460.00	4.91649			
	629360.00	4278460.00	4.59462	629380.00
4278460.00	4.30143			
	629400.00	4278460.00	4.03020	629420.00
4278460.00	3.78030			
	629180.00	4278480.00	8.72261	629200.00
4278480.00	8.23466			
	629220.00	4278480.00	7.75283	629240.00
4278480.00	7.27457			
	629260.00	4278480.00	6.79875	629280.00
4278480.00	6.34504			
	629360.00	4278480.00	4.75566	629380.00
4278480.00	4.43304			
	629400.00	4278480.00	4.14113	629200.00
4278500.00	8.90988			
	629220.00	4278500.00	8.33250	629240.00
4278500.00	7.76443			
	629260.00	4278500.00	7.21053	629280.00
4278500.00	6.68574			
	629300.00	4278500.00	6.17038	629380.00
4278500.00	4.56733			
	629220.00	4278520.00	8.96268	629240.00
4278520.00	8.29794			
	629260.00	4278520.00	7.65505	629280.00
4278520.00	7.04239			
	629300.00	4278520.00	6.45540	629320.00
4278520.00	5.94271			
	629340.00	4278520.00	5.49260	629240.00
4278540.00	8.86487			
	629260.00	4278540.00	8.11810	629280.00
4278540.00	7.41817			
	629300.00	4278540.00	6.74559	629320.00
4278540.00	6.16500			
	629340.00	4278540.00	5.65964	629360.00
4278540.00	5.22425			

▲ *** AERMOD - VERSION 21112 *** **

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Natomas_CSTN_062921

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_CNU ***

INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629260.00	4278560.00	8.60644	629280.00
4278560.00	7.79053		
629300.00	4278560.00	7.03368	629320.00
4278560.00	6.39408		
629340.00	4278560.00	5.83909	629360.00
4278560.00	5.36871		
629280.00	4278580.00	8.14943	629300.00
4278580.00	7.31845		
629320.00	4278580.00	6.60794	629340.00
4278580.00	6.03029		
629320.00	4278600.00	6.84983	628480.00
4278740.00	1.90859		
628500.00	4278740.00	2.10420	628460.00
4278760.00	1.78707		
628480.00	4278760.00	1.96137	628500.00
4278760.00	2.16987		
628520.00	4278760.00	2.42192	628440.00
4278780.00	1.67801		
628460.00	4278780.00	1.83430	628480.00
4278780.00	2.02090		
628500.00	4278780.00	2.24033	628520.00
4278780.00	2.51167		
628540.00	4278780.00	2.85667	628420.00
4278800.00	1.58015		
628440.00	4278800.00	1.72098	628460.00
4278800.00	1.88709		
628480.00	4278800.00	2.08055	628500.00
4278800.00	2.31883		
628520.00	4278800.00	2.60558	628540.00
4278800.00	2.96553		
628400.00	4278820.00	1.48928	628420.00
4278820.00	1.61715		

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628440.00	4278820.00	1.76627	628460.00
4278820.00	1.93847		
628480.00	4278820.00	2.14405	628500.00
4278820.00	2.39857		
628520.00	4278820.00	2.71098	628540.00
4278820.00	3.10080		
628560.00	4278820.00	3.62394	628380.00
4278840.00	1.40620		
628400.00	4278840.00	1.52107	628420.00
4278840.00	1.65474		
628440.00	4278840.00	1.80975	628460.00
4278840.00	1.99198		
628480.00	4278840.00	2.21401	628500.00
4278840.00	2.48336		
628520.00	4278840.00	2.82008	628540.00
4278840.00	3.25183		
628560.00	4278840.00	3.84348	628360.00
4278860.00	1.32488		
628380.00	4278860.00	1.43003	628400.00
4278860.00	1.55231		
628420.00	4278860.00	1.69076	628440.00
4278860.00	1.85472		
628460.00	4278860.00	2.04937	628480.00
4278860.00	2.28338		
628500.00	4278860.00	2.56998	628520.00
4278860.00	2.93523		
628340.00	4278880.00	1.25167	628360.00
4278880.00	1.34665		
628380.00	4278880.00	1.45657	628400.00
4278880.00	1.58255		
628420.00	4278880.00	1.72832	628440.00
4278880.00	1.89980		
628460.00	4278880.00	2.10683	628480.00
4278880.00	2.35471		
628500.00	4278880.00	2.66782	628320.00
4278900.00	1.18425		
628340.00	4278900.00	1.27030	628360.00
4278900.00	1.36985		
628380.00	4278900.00	1.48429	628400.00
4278900.00	1.61510		
628420.00	4278900.00	1.76874	628440.00
4278900.00	1.95045		
628460.00	4278900.00	2.16753	628480.00
4278900.00	2.43441		
629760.00	4278900.00	1.65602	628320.00
4278920.00	1.20126		
628340.00	4278920.00	1.29173	628360.00
4278920.00	1.39590		

*** AERMOD - VERSION 21112 ***

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*** AERMET - VERSION 19191 ***
*** 17:40:15

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_CNU ***

INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
628380.00	4278920.00	1.51473	628400.00
4278920.00	1.65260		
628420.00	4278920.00	1.81565	628440.00
4278920.00	2.00468		
628460.00	4278920.00	2.23673	629740.00
4278920.00	1.72361		
629760.00	4278920.00	1.65167	628320.00
4278940.00	1.22136		
628340.00	4278940.00	1.31618	628360.00
4278940.00	1.42514		
628380.00	4278940.00	1.54892	628400.00
4278940.00	1.69495		
628420.00	4278940.00	1.86498	628440.00
4278940.00	2.06453		
628460.00	4278940.00	2.31067	629740.00
4278940.00	1.71875		
629760.00	4278940.00	1.64711	628100.00
4278960.00	0.65745		
628120.00	4278960.00	0.68931	628320.00
4278960.00	1.24502		
628340.00	4278960.00	1.34403	628360.00
4278960.00	1.45784		
628380.00	4278960.00	1.58872	628400.00
4278960.00	1.74059		
628420.00	4278960.00	1.91691	628440.00

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4278960.00	2.12746			
	629720.00	4278960.00	1.79184	629740.00
4278960.00	1.71329			
	629760.00	4278960.00	1.64210	628100.00
4278980.00	0.66186			
	628120.00	4278980.00	0.69442	628140.00
4278980.00	0.72975			
	628160.00	4278980.00	0.76843	628180.00
4278980.00	0.81089			
	628300.00	4278980.00	1.18168	628320.00
4278980.00	1.27151			
	628340.00	4278980.00	1.37512	628360.00
4278980.00	1.49346			
	628380.00	4278980.00	1.63015	628400.00
4278980.00	1.78761			
	628420.00	4278980.00	1.97259	628440.00
4278980.00	2.18929			
	629720.00	4278980.00	1.78879	629740.00
4278980.00	1.71071			
	629760.00	4278980.00	1.63876	628100.00
4279000.00	0.66781			
	628120.00	4279000.00	0.70117	628140.00
4279000.00	0.73757			
	628160.00	4279000.00	0.77759	628180.00
4279000.00	0.82146			
	628200.00	4279000.00	0.86974	628220.00
4279000.00	0.92358			
	628240.00	4279000.00	0.98405	628320.00
4279000.00	1.30341			
	628340.00	4279000.00	1.40982	628360.00
4279000.00	1.53262			
	628380.00	4279000.00	1.67275	628400.00
4279000.00	1.83409			
	628420.00	4279000.00	2.02234	628440.00
4279000.00	2.24082			
	629700.00	4279000.00	1.87239	629720.00
4279000.00	1.78654			
	629740.00	4279000.00	1.70848	629760.00
4279000.00	1.63573			
	629780.00	4279000.00	1.56866	628100.00
4279020.00	0.67523			
	628120.00	4279020.00	0.70968	628140.00
4279020.00	0.74722			
	628160.00	4279020.00	0.78873	628180.00
4279020.00	0.83421			
	628200.00	4279020.00	0.88442	628220.00
4279020.00	0.93988			
	628240.00	4279020.00	1.00293	628400.00

Natomas_CSTN_062921

4279020.00	1.88326			
	628420.00	4279020.00	2.07115	628440.00
4279020.00	2.29217			
	629680.00	4279020.00	1.96949	629700.00
4279020.00	1.87398			
	629720.00	4279020.00	1.78712	629740.00
4279020.00	1.70760			

▲ *** AERMOD - VERSION 21112 *** ***
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*** AERMET - VERSION 19191 *** ***
 *** 17:40:15

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: C_CNU ***
 INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629760.00	4279020.00	1.63261	629780.00
4279020.00	1.56621		
628100.00	4279040.00	0.68414	628120.00
4279040.00	0.71975		
628140.00	4279040.00	0.75859	628160.00
4279040.00	0.80175		
628180.00	4279040.00	0.84901	628200.00
4279040.00	0.90106		
628220.00	4279040.00	0.95862	628240.00
4279040.00	1.02427		
629680.00	4279040.00	1.97221	629700.00
4279040.00	1.87770		
629720.00	4279040.00	1.78839	629740.00
4279040.00	1.70567		
629760.00	4279040.00	1.63362	629780.00
4279040.00	1.56502		
628100.00	4279060.00	0.69445	628120.00
4279060.00	0.73127		

Natomas_CSTN_062921

628140.00	4279060.00	0.77181	628160.00
4279060.00	0.81621		
628180.00	4279060.00	0.86510	628200.00
4279060.00	0.91927		
628220.00	4279060.00	0.97913	628240.00
4279060.00	1.04696		
629660.00	4279060.00	2.08534	629680.00
4279060.00	1.97972		
629700.00	4279060.00	1.88242	629720.00
4279060.00	1.79291		
629740.00	4279060.00	1.70861	629760.00
4279060.00	1.62914		
629780.00	4279060.00	1.56053	628100.00
4279080.00	0.70610		
628120.00	4279080.00	0.74452	628140.00
4279080.00	0.78644		
628160.00	4279080.00	0.83226	628180.00
4279080.00	0.88301		
628200.00	4279080.00	0.93872	628220.00
4279080.00	1.00089		
628300.00	4279080.00	1.32175	628320.00
4279080.00	1.42687		
628340.00	4279080.00	1.54492	628360.00
4279080.00	1.67705		
629640.00	4279080.00	2.21177	629660.00
4279080.00	2.09423		
629680.00	4279080.00	1.98738	629700.00
4279080.00	1.88728		
629720.00	4279080.00	1.79517	628100.00
4279100.00	0.71918		
628120.00	4279100.00	0.75881	628140.00
4279100.00	0.80214		
628160.00	4279100.00	0.84967	628180.00
4279100.00	0.90180		
628200.00	4279100.00	0.95939	628220.00
4279100.00	1.02330		
628300.00	4279100.00	1.35027	628320.00
4279100.00	1.45668		
628340.00	4279100.00	1.57490	628360.00
4279100.00	1.70642		
629620.00	4279100.00	2.35324	629640.00
4279100.00	2.22143		
629660.00	4279100.00	2.10414	629680.00
4279100.00	1.99443		
629700.00	4279100.00	1.89421	628080.00
4279120.00	0.69546		
628100.00	4279120.00	0.73332	628120.00
4279120.00	0.77440		

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628140.00	4279120.00	0.81910	628160.00
4279120.00	0.86802		
628180.00	4279120.00	0.92178	628200.00
4279120.00	0.98052		
628220.00	4279120.00	1.04584	628300.00
4279120.00	1.37640		
628320.00	4279120.00	1.48235	628340.00
4279120.00	1.59987		
628360.00	4279120.00	1.73018	629600.00
4279120.00	2.50695		
629620.00	4279120.00	2.36227	629640.00
4279120.00	2.23051		
629660.00	4279120.00	2.11267	629680.00
4279120.00	2.00211		

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **
*** 17:40:15

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_CNU ***
INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629700.00	4279120.00	1.90201	628080.00
4279140.00	0.70959		
628100.00	4279140.00	0.74840	628120.00
4279140.00	0.79055		
628140.00	4279140.00	0.83660	628160.00
4279140.00	0.88689		
628180.00	4279140.00	0.94177	628200.00
4279140.00	1.00182		
628220.00	4279140.00	1.06796	628300.00
4279140.00	1.39970		
628320.00	4279140.00	1.50492	628340.00

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4279140.00	1.62109			
628360.00	4279140.00	1.74942		629580.00
4279140.00	2.67205			
629600.00	4279140.00	2.51230		629620.00
4279140.00	2.37042			
629640.00	4279140.00	2.23988		629660.00
4279140.00	2.12049			
629680.00	4279140.00	2.00943		629700.00
4279140.00	1.90922			
628060.00	4279160.00	0.68710		628080.00
4279160.00	0.72386			
628100.00	4279160.00	0.76378		628120.00
4279160.00	0.80704			
628140.00	4279160.00	0.85423		628160.00
4279160.00	0.90554			
628180.00	4279160.00	0.96127		628200.00
4279160.00	1.02218			
628220.00	4279160.00	1.08866		629580.00
4279160.00	2.67542			
629600.00	4279160.00	2.51930		629620.00
4279160.00	2.37653			
629640.00	4279160.00	2.24606		629660.00
4279160.00	2.12662			
629680.00	4279160.00	2.01756		628060.00
4279180.00	0.70102			
628080.00	4279180.00	0.73867		628100.00
4279180.00	0.77951			
628120.00	4279180.00	0.82375		628140.00
4279180.00	0.87162			
628160.00	4279180.00	0.92366		628180.00
4279180.00	0.98010			
628200.00	4279180.00	1.04134		628220.00
4279180.00	1.10782			
628060.00	4279200.00	0.71510		628080.00
4279200.00	0.75355			
628100.00	4279200.00	0.79512		628120.00
4279200.00	0.84000			
628140.00	4279200.00	0.88848		628160.00
4279200.00	0.94096			
628180.00	4279200.00	0.99752		628200.00
4279200.00	1.05881			
628220.00	4279200.00	1.12517		628040.00
4279220.00	0.69284			
628060.00	4279220.00	0.72917		628080.00
4279220.00	0.76822			
628100.00	4279220.00	0.81032		628120.00
4279220.00	0.85559			
628140.00	4279220.00	0.90432		628160.00

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4279220.00	0.95690			
	628180.00	4279220.00	1.01352	628200.00
4279220.00	1.07464			
	628220.00	4279220.00	1.14049	628240.00
4279220.00	1.21298			
	628040.00	4279240.00	0.70591	628060.00
4279240.00	0.74283			
	628080.00	4279240.00	0.78228	628100.00
4279240.00	0.82466			
	628120.00	4279240.00	0.87023	628140.00
4279240.00	0.91893			
	628160.00	4279240.00	0.97146	628180.00
4279240.00	1.02782			
	628200.00	4279240.00	1.08835	628220.00
4279240.00	1.15333			
	628240.00	4279240.00	1.22400	629560.00
4279240.00	2.85314			
	628040.00	4279260.00	0.71890	628060.00
4279260.00	0.75586			
	628080.00	4279260.00	0.79558	628100.00
4279260.00	0.83806			

▲ *** AERMOD - VERSION 21112 *** ***
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 *** AERMET - VERSION 19191 *** ***
 *** 17:40:15

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: C_CNU ***
 INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
628120.00	4279260.00	0.88358	628140.00
4279260.00	0.93216		
628160.00	4279260.00	0.98424	628180.00
4279260.00	1.04007		

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628200.00	4279260.00	1.09982	628220.00
4279260.00	1.16373		
628240.00	4279260.00	1.23282	629540.00
4279260.00	3.02351		
629560.00	4279260.00	2.84959	629580.00
4279260.00	2.68899		
629600.00	4279260.00	2.53986	628080.00
4279280.00	0.80763		
628100.00	4279280.00	0.85017	628120.00
4279280.00	0.89548		
628140.00	4279280.00	0.94389	628160.00
4279280.00	0.99533		
628180.00	4279280.00	1.05032	628200.00
4279280.00	1.10890		
628220.00	4279280.00	1.17225	629520.00
4279280.00	3.19945		
629540.00	4279280.00	3.01656	629560.00
4279280.00	2.84676		
629580.00	4279280.00	2.68801	629600.00
4279280.00	2.54050		
629620.00	4279280.00	2.40368	629640.00
4279280.00	2.27682		
629520.00	4279300.00	3.18514	629540.00
4279300.00	3.00733		
629560.00	4279300.00	2.84152	629580.00
4279300.00	2.68562		
629600.00	4279300.00	2.54024	629620.00
4279300.00	2.40498		
629640.00	4279300.00	2.27933	629660.00
4279300.00	2.16256		
629520.00	4279320.00	3.17038	629540.00
4279320.00	2.99697		
629560.00	4279320.00	2.83407	629580.00
4279320.00	2.68112		
629600.00	4279320.00	2.53927	629620.00
4279320.00	2.40587		
629640.00	4279320.00	2.28143	629660.00
4279320.00	2.16561		
629680.00	4279320.00	2.05697	629700.00
4279320.00	1.95718		
629520.00	4279340.00	3.15184	629540.00
4279340.00	2.98436		
629560.00	4279340.00	2.82558	629580.00
4279340.00	2.67701		
629600.00	4279340.00	2.53685	629620.00
4279340.00	2.40562		
629640.00	4279340.00	2.28284	629660.00
4279340.00	2.16809		

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629680.00	4279340.00	2.06030	629700.00
4279340.00	1.96029		
629720.00	4279340.00	1.86751	629740.00
4279340.00	1.78067		
629760.00	4279340.00	1.69970	629520.00
4279360.00	3.13126		
629540.00	4279360.00	2.97003	629560.00
4279360.00	2.81583		
629580.00	4279360.00	2.67046	629600.00
4279360.00	2.53317		
629620.00	4279360.00	2.40375	629640.00
4279360.00	2.28281		
629660.00	4279360.00	2.16991	629680.00
4279360.00	2.06383		
629700.00	4279360.00	1.96422	629720.00
4279360.00	1.87141		
629740.00	4279360.00	1.78452	629760.00
4279360.00	1.70342		
629520.00	4279380.00	3.10857	629540.00
4279380.00	2.95294		
629560.00	4279380.00	2.80359	629580.00
4279380.00	2.66207		
629600.00	4279380.00	2.52795	629620.00
4279380.00	2.40132		
629640.00	4279380.00	2.28242	629660.00
4279380.00	2.17060		
629680.00	4279380.00	2.06592	629700.00
4279380.00	1.96737		

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***
*** 17:40:15

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_CNU ***
INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M) CONC X-COORD (M)

Natomas_CSTN_062921

Y-COORD (M)	CONC		
629720.00	4279380.00	1.87576	629740.00
4279380.00	1.78891		
629520.00	4279400.00	3.08347	629540.00
4279400.00	2.93303		
629560.00	4279400.00	2.78891	629580.00
4279400.00	2.65183		
629600.00	4279400.00	2.52107	629620.00
4279400.00	2.39701		
629640.00	4279400.00	2.28021	629660.00
4279400.00	2.17021		
629680.00	4279400.00	2.06760	629700.00
4279400.00	1.96942		
629720.00	4279400.00	1.87881	629040.00
4279420.00	6.09166		
629060.00	4279420.00	6.11241	629520.00
4279420.00	3.05629		
629540.00	4279420.00	2.91069	629560.00
4279420.00	2.77186		
629580.00	4279420.00	2.63949	629600.00
4279420.00	2.51187		
629620.00	4279420.00	2.39096	629640.00
4279420.00	2.27705		
629660.00	4279420.00	2.16924	629680.00
4279420.00	2.06803		
629700.00	4279420.00	1.97107	629040.00
4279440.00	5.77665		
629060.00	4279440.00	5.79997	629580.00
4279440.00	2.62472		
629600.00	4279440.00	2.50192	629620.00
4279440.00	2.38407		
629640.00	4279440.00	2.27327	629660.00
4279440.00	2.16722		
629680.00	4279440.00	2.06767	629580.00
4279460.00	2.60787		
629600.00	4279460.00	2.48838	629620.00
4279460.00	2.37489		
629640.00	4279460.00	2.26576	629660.00
4279460.00	2.16286		
629140.00	4279680.00	3.50006	629160.00
4279680.00	3.50623		
629180.00	4279680.00	3.50447	629200.00
4279680.00	3.49458		
629140.00	4279700.00	3.37494	629160.00
4279700.00	3.38314		
629180.00	4279700.00	3.38433	629200.00

Natomas_CSTN_062921

4279700.00	3.37770			
629220.00	4279700.00	3.36330		629240.00
4279700.00	3.34220			
629260.00	4279700.00	3.31382		629280.00
4279700.00	3.27930			
629300.00	4279700.00	3.23808		629320.00
4279700.00	3.19082			
629340.00	4279700.00	3.13828		629360.00
4279700.00	3.08141			
629380.00	4279700.00	3.02080		629400.00
4279700.00	2.95691			
629420.00	4279700.00	2.88825		629140.00
4279720.00	3.25586			
629160.00	4279720.00	3.26610		629180.00
4279720.00	3.26965			
629200.00	4279720.00	3.26577		629220.00
4279720.00	3.25429			
629240.00	4279720.00	3.23640		629260.00
4279720.00	3.21205			
629280.00	4279720.00	3.18163		629300.00
4279720.00	3.14604			
629320.00	4279720.00	3.10346		629340.00
4279720.00	3.05542			
629360.00	4279720.00	3.00282		629380.00
4279720.00	2.94657			
629400.00	4279720.00	2.88754		629420.00
4279720.00	2.82494			
629140.00	4279740.00	3.14269		629160.00
4279740.00	3.15465			
629180.00	4279740.00	3.16000		629200.00
4279740.00	3.15893			
629220.00	4279740.00	3.15103		629240.00
4279740.00	3.13588			
629260.00	4279740.00	3.11547		629280.00
4279740.00	3.08901			

▲ *** AERMOD - VERSION 21112 *** ***
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*** 17:40:15

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_CNU ***
INCLUDING SOURCE(S): C_CNU ,

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629300.00	4279740.00	3.05667	629320.00
4279740.00	3.01790		
629340.00	4279740.00	2.97451	629360.00
4279740.00	2.92658		
629380.00	4279740.00	2.87487	629400.00
4279740.00	2.82008		
629420.00	4279740.00	2.76211	628920.00
4279760.00	2.60155		
628940.00	4279760.00	2.65293	628960.00
4279760.00	2.70347		
628980.00	4279760.00	2.75271	629000.00
4279760.00	2.80048		
629020.00	4279760.00	2.84555	629040.00
4279760.00	2.88798		
629060.00	4279760.00	2.92642	629080.00
4279760.00	2.96030		
629100.00	4279760.00	2.99049	629120.00
4279760.00	3.01509		
629140.00	4279760.00	3.03482	629160.00
4279760.00	3.04613		
629180.00	4279760.00	3.05440	629200.00
4279760.00	3.05613		
629220.00	4279760.00	3.05050	629240.00
4279760.00	3.03873		
629260.00	4279760.00	3.02156	629280.00
4279760.00	2.99874		
629300.00	4279760.00	2.96945	629320.00
4279760.00	2.93480		
629340.00	4279760.00	2.89573	629360.00
4279760.00	2.85246		
629380.00	4279760.00	2.80520	629400.00
4279760.00	2.75438		
629420.00	4279760.00	2.70054	628920.00
4279780.00	2.50975		
628940.00	4279780.00	2.55840	628960.00
4279780.00	2.60695		
628980.00	4279780.00	2.65473	629000.00
4279780.00	2.70072		

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629020.00	4279780.00	2.74445	629040.00
4279780.00	2.78551		
629060.00	4279780.00	2.82307	629080.00
4279780.00	2.85673		
629100.00	4279780.00	2.88640	629120.00
4279780.00	2.91121		
629140.00	4279780.00	2.93154	629160.00
4279780.00	2.94464		
629180.00	4279780.00	2.95426	629200.00
4279780.00	2.95727		
629220.00	4279780.00	2.95473	629240.00
4279780.00	2.94606		
629260.00	4279780.00	2.93115	629280.00
4279780.00	2.91088		
629300.00	4279780.00	2.88522	629320.00
4279780.00	2.85444		
629340.00	4279780.00	2.81967	629360.00
4279780.00	2.78052		
629380.00	4279780.00	2.73721	629400.00
4279780.00	2.69020		
628920.00	4279800.00	2.42306	628940.00
4279800.00	2.46993		
628960.00	4279800.00	2.51646	628980.00
4279800.00	2.56224		
629000.00	4279800.00	2.60599	629020.00
4279800.00	2.64791		
629040.00	4279800.00	2.68850	629060.00
4279800.00	2.72543		
629080.00	4279800.00	2.75842	629100.00
4279800.00	2.78792		
629120.00	4279800.00	2.81302	629140.00
4279800.00	2.83372		
629160.00	4279800.00	2.84796	629180.00
4279800.00	2.85877		
629200.00	4279800.00	2.86377	629220.00
4279800.00	2.86323		
629240.00	4279800.00	2.85709	629260.00
4279800.00	2.84447		
629280.00	4279800.00	2.82706	629300.00
4279800.00	2.80455		
629320.00	4279800.00	2.77724	629340.00
4279800.00	2.74594		

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***

17:40:15

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_CNU ***

INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629360.00	4279800.00	2.71075	629380.00
4279800.00	2.67080		
628920.00	4279820.00	2.34102	628940.00
4279820.00	2.38603		
628960.00	4279820.00	2.43098	628980.00
4279820.00	2.47476		
629000.00	4279820.00	2.51849	629020.00
4279820.00	2.55965		
629040.00	4279820.00	2.59851	629060.00
4279820.00	2.63313		
629080.00	4279820.00	2.66576	629100.00
4279820.00	2.69476		
629120.00	4279820.00	2.72003	629140.00
4279820.00	2.74110		
629160.00	4279820.00	2.75592	629180.00
4279820.00	2.76777		
629200.00	4279820.00	2.77407	629220.00
4279820.00	2.77515		
629240.00	4279820.00	2.77080	629260.00
4279820.00	2.76076		
629280.00	4279820.00	2.74592	629300.00
4279820.00	2.72633		
629320.00	4279820.00	2.70225	629340.00
4279820.00	2.67428		
629360.00	4279820.00	2.64214	628920.00
4279840.00	2.26384		
628940.00	4279840.00	2.30692	628960.00
4279840.00	2.34996		
628980.00	4279840.00	2.39244	629000.00
4279840.00	2.43376		
629020.00	4279840.00	2.47321	629040.00

Natomas_CSTN_062921

4279840.00	2.51084			
	629060.00	4279840.00	2.54619	629080.00
4279840.00	2.57788			
	629100.00	4279840.00	2.60683	629120.00
4279840.00	2.63177			
	629140.00	4279840.00	2.65264	629160.00
4279840.00	2.66852			
	629180.00	4279840.00	2.68092	629200.00
4279840.00	2.68801			
	629220.00	4279840.00	2.69050	629240.00
4279840.00	2.68803			
	629260.00	4279840.00	2.68020	629280.00
4279840.00	2.66803			
	629300.00	4279840.00	2.65100	629320.00
4279840.00	2.62964			
	629340.00	4279840.00	2.60433	629360.00
4279840.00	2.57515			
	628920.00	4279860.00	2.19073	628940.00
4279860.00	2.23182			
	628960.00	4279860.00	2.27373	628980.00
4279860.00	2.31374			
	629000.00	4279860.00	2.35341	629020.00
4279860.00	2.39169			
	629040.00	4279860.00	2.42816	629060.00
4279860.00	2.46251			
	629080.00	4279860.00	2.49331	629100.00
4279860.00	2.52256			
	629120.00	4279860.00	2.54735	629140.00
4279860.00	2.56878			
	629160.00	4279860.00	2.58598	629180.00
4279860.00	2.59860			
	629200.00	4279860.00	2.60703	629220.00
4279860.00	2.60966			
	629240.00	4279860.00	2.60843	629260.00
4279860.00	2.60296			
	629280.00	4279860.00	2.59329	629300.00
4279860.00	2.57867			
	629320.00	4279860.00	2.55968	629340.00
4279860.00	2.53663			
	628920.00	4279880.00	2.12111	628940.00
4279880.00	2.16054			
	628960.00	4279880.00	2.20110	628980.00
4279880.00	2.23972			
	629000.00	4279880.00	2.27759	629020.00
4279880.00	2.31451			
	629040.00	4279880.00	2.34979	629060.00
4279880.00	2.38321			
	629080.00	4279880.00	2.41342	629100.00

Natomas_CSTN_062921

4279880.00 2.44262

*** AERMOD - VERSION 21112 ***

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*** AERMET - VERSION 19191 ***

*** 17:40:15

PAGE 34

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: C_CNU ***

INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629120.00	4279880.00	2.46689	629140.00
4279880.00	2.48809		
629160.00	4279880.00	2.50580	629180.00
4279880.00	2.51904		
629200.00	4279880.00	2.52772	629220.00
4279880.00	2.53226		
629240.00	4279880.00	2.53251	629260.00
4279880.00	2.52878		
629280.00	4279880.00	2.52103	629300.00
4279880.00	2.50860		
629320.00	4279880.00	2.49195	628920.00
4279900.00	2.05511		
628940.00	4279900.00	2.09261	628960.00
4279900.00	2.13188		
628980.00	4279900.00	2.16921	629000.00
4279900.00	2.20547		
629020.00	4279900.00	2.24121	629040.00
4279900.00	2.27538		
629060.00	4279900.00	2.30789	629080.00
4279900.00	2.33775		
629100.00	4279900.00	2.36651	629120.00
4279900.00	2.39048		
629140.00	4279900.00	2.41192	629160.00
4279900.00	2.42912		

Natomas_CSTN_062921

629180.00	4279900.00	2.44263	629200.00
4279900.00	2.45219		
629220.00	4279900.00	2.45812	629240.00
4279900.00	2.45994		
629260.00	4279900.00	2.45811	629280.00
4279900.00	2.45116		
629300.00	4279900.00	2.44069	628920.00
4279920.00	1.99199		
628940.00	4279920.00	2.02799	628960.00
4279920.00	2.06493		
628980.00	4279920.00	2.10140	629000.00
4279920.00	2.13714		
629020.00	4279920.00	2.17180	629040.00
4279920.00	2.20497		
629060.00	4279920.00	2.23620	629080.00
4279920.00	2.26540		
629100.00	4279920.00	2.29365	629120.00
4279920.00	2.31792		
629140.00	4279920.00	2.33880	629160.00
4279920.00	2.35591		
629180.00	4279920.00	2.36898	629200.00
4279920.00	2.37959		
629220.00	4279920.00	2.38707	629240.00
4279920.00	2.38977		
629260.00	4279920.00	2.38902	629540.00
4278840.00	2.91415		
629540.00	4278820.00	2.91847	629560.00
4278820.00	2.74807		
629580.00	4278820.00	2.59297	629560.00
4278840.00	2.74248		

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***

*** 17:40:15

PAGE 35

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_INV ***

INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Natomas_CSTN_062921

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629540.00	4278320.00	1.97053	629560.00
4278320.00	1.93039		
629540.00	4278340.00	2.05079	629560.00
4278340.00	2.00181		
629580.00	4278340.00	1.95341	629520.00
4278360.00	2.18742		
629540.00	4278360.00	2.13322	629560.00
4278360.00	2.07915		
629580.00	4278360.00	2.02611	629600.00
4278360.00	1.97201		
629620.00	4278360.00	1.91737	629640.00
4278360.00	1.85974		
629660.00	4278360.00	1.80651	629680.00
4278360.00	1.74993		
629700.00	4278360.00	1.69889	629720.00
4278360.00	1.64426		
629520.00	4278380.00	2.28228	629540.00
4278380.00	2.22068		
629560.00	4278380.00	2.16078	629580.00
4278380.00	2.10113		
629600.00	4278380.00	2.04267	629620.00
4278380.00	1.98251		
629640.00	4278380.00	1.92339	629660.00
4278380.00	1.86365		
629680.00	4278380.00	1.80459	629700.00
4278380.00	1.74583		
629720.00	4278380.00	1.68966	629500.00
4278400.00	2.44735		
629520.00	4278400.00	2.38062	629540.00
4278400.00	2.31485		
629560.00	4278400.00	2.24735	629580.00
4278400.00	2.18009		
629600.00	4278400.00	2.11613	629620.00
4278400.00	2.04927		
629640.00	4278400.00	1.98367	629660.00
4278400.00	1.91883		
629680.00	4278400.00	1.85522	629700.00
4278400.00	1.79217		
629720.00	4278400.00	1.73182	629480.00
4278420.00	2.62956		
629500.00	4278420.00	2.56178	629520.00
4278420.00	2.48662		
629540.00	4278420.00	2.41175	629560.00

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4278420.00	2.33634			
629580.00	4278420.00	2.26359		629600.00
4278420.00	2.19129			
629620.00	4278420.00	2.11818		629640.00
4278420.00	2.04669			
629660.00	4278420.00	1.97612		629680.00
4278420.00	1.90726			
629700.00	4278420.00	1.83957		629720.00
4278420.00	1.77387			
629480.00	4278440.00	2.76986		629500.00
4278440.00	2.68290			
629520.00	4278440.00	2.59779		629540.00
4278440.00	2.51340			
629560.00	4278440.00	2.43010		629580.00
4278440.00	2.35009			
629600.00	4278440.00	2.26943		629620.00
4278440.00	2.18882			
629640.00	4278440.00	2.10992		629660.00
4278440.00	2.03369			
629680.00	4278440.00	1.95959		629700.00
4278440.00	1.88617			
629720.00	4278440.00	1.81690		629460.00
4278460.00	3.01013			
629480.00	4278460.00	2.91185		629500.00
4278460.00	2.81375			
629520.00	4278460.00	2.71592		629540.00
4278460.00	2.62089			
629560.00	4278460.00	2.52868		629580.00
4278460.00	2.43963			
629600.00	4278460.00	2.35044		629620.00
4278460.00	2.26238			
629640.00	4278460.00	2.17560		629660.00
4278460.00	2.09229			
629680.00	4278460.00	2.01244		629700.00
4278460.00	1.93462			
629720.00	4278460.00	1.85961		629440.00
4278480.00	3.28110			

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **
*** 17:40:15

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_INV ***

Natomas_CSTN_062921
 INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**			
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

629460.00	4278480.00	3.18646	629480.00
4278480.00	3.06750		
629500.00	4278480.00	2.95214	629520.00
4278480.00	2.84095		
629540.00	4278480.00	2.73511	629560.00
4278480.00	2.63198		
629580.00	4278480.00	2.53200	629600.00
4278480.00	2.43323		
629620.00	4278480.00	2.33580	629640.00
4278480.00	2.24295		
629660.00	4278480.00	2.15246	629680.00
4278480.00	2.06658		
629700.00	4278480.00	1.98250	629720.00
4278480.00	1.90203		
629440.00	4278500.00	3.50311	629460.00
4278500.00	3.36845		
629480.00	4278500.00	3.22809	629500.00
4278500.00	3.09836		
629520.00	4278500.00	2.97377	629540.00
4278500.00	2.85438		
629560.00	4278500.00	2.73880	629580.00
4278500.00	2.62894		
629600.00	4278500.00	2.51953	629620.00
4278500.00	2.41233		
629640.00	4278500.00	2.31004	629660.00
4278500.00	2.21285		
629680.00	4278500.00	2.12033	629700.00
4278500.00	2.03165		
629720.00	4278500.00	1.94356	629420.00
4278520.00	3.90346		
629440.00	4278520.00	3.73848	629460.00
4278520.00	3.56824		
629480.00	4278520.00	3.40490	629500.00
4278520.00	3.25566		
629520.00	4278520.00	3.11340	629540.00
4278520.00	2.97974		

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629560.00	4278520.00	2.85083	629580.00
4278520.00	2.72908		
629600.00	4278520.00	2.60892	629620.00
4278520.00	2.49134		
629640.00	4278520.00	2.37975	629660.00
4278520.00	2.27420		
629680.00	4278520.00	2.17433	629700.00
4278520.00	2.07936		
629720.00	4278520.00	1.98555	629420.00
4278540.00	4.16314		
629440.00	4278540.00	3.96908	629460.00
4278540.00	3.76796		
629480.00	4278540.00	3.58859	629500.00
4278540.00	3.42222		
629520.00	4278540.00	3.26407	629540.00
4278540.00	3.11151		
629560.00	4278540.00	2.96912	629580.00
4278540.00	2.83377		
629600.00	4278540.00	2.69927	629620.00
4278540.00	2.57229		
629640.00	4278540.00	2.45042	629660.00
4278540.00	2.33602		
629680.00	4278540.00	2.22881	629700.00
4278540.00	2.12785		
629720.00	4278540.00	2.02760	629460.00
4278560.00	3.98501		
629480.00	4278560.00	3.78677	629500.00
4278560.00	3.59511		
629520.00	4278560.00	3.41836	629540.00
4278560.00	3.25062		
629560.00	4278560.00	3.09261	629580.00
4278560.00	2.93985		
629600.00	4278560.00	2.79437	629620.00
4278560.00	2.65237		
629640.00	4278560.00	2.52019	629660.00
4278560.00	2.39764		
629680.00	4278560.00	2.28311	629700.00
4278560.00	2.17614		
629720.00	4278560.00	2.06922	629480.00
4278580.00	3.98850		
629500.00	4278580.00	3.78373	629520.00
4278580.00	3.58418		
629540.00	4278580.00	3.39260	629560.00
4278580.00	3.21684		

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***

Natomas_CSTN_062921

*** 17:40:15

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_INV ***

INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629580.00	4278580.00	3.05005	629600.00
4278580.00	2.89255		
629620.00	4278580.00	2.73747	629640.00
4278580.00	2.59147		
629660.00	4278580.00	2.45930	629680.00
4278580.00	2.33724		
629700.00	4278580.00	2.22253	629720.00
4278580.00	2.11184		
629520.00	4278600.00	3.75124	629540.00
4278600.00	3.54259		
629560.00	4278600.00	3.34592	629580.00
4278600.00	3.16353		
629600.00	4278600.00	2.98225	629620.00
4278600.00	2.81908		
629640.00	4278600.00	2.66324	629660.00
4278600.00	2.51961		
629680.00	4278600.00	2.39010	629700.00
4278600.00	2.26861		
629720.00	4278600.00	2.15485	629620.00
4278620.00	2.89337		
629640.00	4278620.00	2.72663	629660.00
4278620.00	2.57430		
629680.00	4278620.00	2.43668	629700.00
4278620.00	2.30797		
629720.00	4278620.00	2.19386	629000.00
4278200.00	1.42000		
629020.00	4278200.00	1.45671	629040.00
4278200.00	1.49227		
629060.00	4278200.00	1.52771	629060.00

Natomas_CSTN_062921

4278220.00	1.61469			
629080.00	4278220.00	1.65000		629100.00
4278220.00	1.68089			
629120.00	4278220.00	1.71100		629140.00
4278220.00	1.73745			
629160.00	4278220.00	1.75935		629180.00
4278220.00	1.77559			
629100.00	4278240.00	1.78881		629120.00
4278240.00	1.81850			
629140.00	4278240.00	1.84450		629160.00
4278240.00	1.86540			
629180.00	4278240.00	1.88168		629200.00
4278240.00	1.89196			
629220.00	4278240.00	1.89920		629240.00
4278240.00	1.90204			
629260.00	4278240.00	1.90288		629280.00
4278240.00	1.90022			
629300.00	4278240.00	1.89422		629320.00
4278240.00	1.88803			
629140.00	4278260.00	1.96617		629160.00
4278260.00	1.98670			
629180.00	4278260.00	2.00064		629200.00
4278260.00	2.00939			
629220.00	4278260.00	2.01301		629240.00
4278260.00	2.01281			
629260.00	4278260.00	2.00986		629280.00
4278260.00	2.00370			
629300.00	4278260.00	1.99441		629320.00
4278260.00	1.98525			
629340.00	4278260.00	1.97331		629360.00
4278260.00	1.95981			
629380.00	4278260.00	1.94502		629400.00
4278260.00	1.92893			
629420.00	4278260.00	1.91144		629440.00
4278260.00	1.89236			
629460.00	4278260.00	1.87148		629160.00
4278280.00	2.11061			
629180.00	4278280.00	2.13116		629200.00
4278280.00	2.13547			
629220.00	4278280.00	2.13350		629240.00
4278280.00	2.13047			
629260.00	4278280.00	2.12377		629280.00
4278280.00	2.11587			
629300.00	4278280.00	2.10360		629320.00
4278280.00	2.08991			
629340.00	4278280.00	2.07459		629360.00
4278280.00	2.05780			
629380.00	4278280.00	2.03983		629400.00

Natomas_CSTN_062921

4278280.00 2.02003
 629420.00 4278280.00 1.99990 629440.00

4278280.00 1.97761

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***
 *** 17:40:15

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

VALUES FOR SOURCE GROUP: C_INV *** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION

 INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629460.00	4278280.00	1.95336	629480.00
4278280.00	1.92704		
629500.00	4278280.00	1.89542	629200.00
4278300.00	2.27346		
629220.00	4278300.00	2.26949	629240.00
4278300.00	2.26051		
629260.00	4278300.00	2.24946	629280.00
4278300.00	2.23589		
629300.00	4278300.00	2.22017	629320.00
4278300.00	2.20309		
629340.00	4278300.00	2.18381	629360.00
4278300.00	2.16266		
629380.00	4278300.00	2.14118	629400.00
4278300.00	2.11746		
629420.00	4278300.00	2.09308	629440.00
4278300.00	2.06877		
629460.00	4278300.00	2.03900	629480.00
4278300.00	2.00889		
629500.00	4278300.00	1.97741	629520.00
4278300.00	1.93908		
629220.00	4278320.00	2.41544	629240.00
4278320.00	2.40616		

Natomas_CSTN_062921

629260.00	4278320.00	2.38700	629280.00
4278320.00	2.36913		
629300.00	4278320.00	2.34827	629320.00
4278320.00	2.32568		
629340.00	4278320.00	2.30193	629360.00
4278320.00	2.27723		
629380.00	4278320.00	2.25156	629400.00
4278320.00	2.22485		
629420.00	4278320.00	2.19589	629440.00
4278320.00	2.16573		
629460.00	4278320.00	2.13155	629480.00
4278320.00	2.09774		
629500.00	4278320.00	2.06093	629520.00
4278320.00	2.00827		
629160.00	4278340.00	2.62714	629240.00
4278340.00	2.56030		
629260.00	4278340.00	2.53991	629280.00
4278340.00	2.51211		
629300.00	4278340.00	2.48714	629320.00
4278340.00	2.45895		
629340.00	4278340.00	2.43020	629360.00
4278340.00	2.40059		
629380.00	4278340.00	2.37046	629400.00
4278340.00	2.33934		
629420.00	4278340.00	2.30632	629440.00
4278340.00	2.27125		
629460.00	4278340.00	2.23427	629480.00
4278340.00	2.19370		
629500.00	4278340.00	2.14465	629140.00
4278360.00	2.85634		
629160.00	4278360.00	2.85179	629180.00
4278360.00	2.83153		
629260.00	4278360.00	2.70432	629280.00
4278360.00	2.67433		
629300.00	4278360.00	2.63913	629320.00
4278360.00	2.60426		
629340.00	4278360.00	2.57008	629360.00
4278360.00	2.53512		
629380.00	4278360.00	2.49987	629400.00
4278360.00	2.46376		
629420.00	4278360.00	2.42260	629440.00
4278360.00	2.38239		
629460.00	4278360.00	2.34144	629480.00
4278360.00	2.29467		
629500.00	4278360.00	2.23210	629140.00
4278380.00	3.13932		
629160.00	4278380.00	3.11593	629180.00
4278380.00	3.06938		

Natomas_CSTN_062921

629200.00	4278380.00	3.02468	629280.00
4278380.00	2.84853		
629300.00	4278380.00	2.80630	629320.00
4278380.00	2.76438		
629340.00	4278380.00	2.72325	629360.00
4278380.00	2.68209		
629380.00	4278380.00	2.64112	629400.00
4278380.00	2.59931		
629420.00	4278380.00	2.55163	629440.00
4278380.00	2.50359		

▲ *** AERMOD - VERSION 21112 *** ***
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*** AERMET - VERSION 19191 *** ***
 *** 17:40:15

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: C_INV ***
 INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629460.00	4278380.00	2.44922	629480.00
4278380.00	2.39076		
629180.00	4278400.00	3.35680	629200.00
4278400.00	3.27851		
629220.00	4278400.00	3.20632	629300.00
4278400.00	2.99109		
629320.00	4278400.00	2.94069	629340.00
4278400.00	2.89014		
629360.00	4278400.00	2.84376	629380.00
4278400.00	2.79617		
629400.00	4278400.00	2.74789	629420.00
4278400.00	2.69679		
629440.00	4278400.00	2.64161	629460.00
4278400.00	2.57665		
629180.00	4278420.00	3.66231	629200.00

Natomas_CSTN_062921

4278420.00	3.58272			
629220.00	4278420.00	3.47716		629240.00
4278420.00	3.39359			
629300.00	4278420.00	3.19188		629320.00
4278420.00	3.13587			
629340.00	4278420.00	3.07837		629360.00
4278420.00	3.02252			
629380.00	4278420.00	2.96742		629400.00
4278420.00	2.91169			
629420.00	4278420.00	2.85194		629440.00
4278420.00	2.78680			
629460.00	4278420.00	2.69722		629180.00
4278440.00	4.04492			
629200.00	4278440.00	3.90744		629220.00
4278440.00	3.79273			
629240.00	4278440.00	3.66925		629260.00
4278440.00	3.58045			
629320.00	4278440.00	3.35318		629340.00
4278440.00	3.28562			
629360.00	4278440.00	3.22115		629380.00
4278440.00	3.15828			
629400.00	4278440.00	3.08873		629420.00
4278440.00	3.02302			
629440.00	4278440.00	2.94255		629160.00
4278460.00	4.72687			
629180.00	4278460.00	4.49782		629200.00
4278460.00	4.30115			
629220.00	4278460.00	4.13896		629240.00
4278460.00	3.98788			
629260.00	4278460.00	3.86716		629340.00
4278460.00	3.51781			
629360.00	4278460.00	3.44407		629380.00
4278460.00	3.37288			
629400.00	4278460.00	3.29819		629420.00
4278460.00	3.21308			
629180.00	4278480.00	5.04508		629200.00
4278480.00	4.77767			
629220.00	4278480.00	4.54558		629240.00
4278480.00	4.35555			
629260.00	4278480.00	4.20887		629280.00
4278480.00	4.07102			
629360.00	4278480.00	3.69644		629380.00
4278480.00	3.61871			
629400.00	4278480.00	3.53138		629200.00
4278500.00	5.32768			
629220.00	4278500.00	5.02063		629240.00
4278500.00	4.78094			
629260.00	4278500.00	4.59248		629280.00

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4278500.00	4.42493			
629300.00	4278500.00	4.30162		629380.00
4278500.00	3.90004			
629220.00	4278520.00	5.60431		629240.00
4278520.00	5.27339			
629260.00	4278520.00	5.02393		629280.00
4278520.00	4.83259			
629300.00	4278520.00	4.68335		629320.00
4278520.00	4.54264			
629340.00	4278520.00	4.40836		629240.00
4278540.00	5.89383			
629260.00	4278540.00	5.55535		629280.00
4278540.00	5.29416			
629300.00	4278540.00	5.13068		629320.00
4278540.00	4.96263			
629340.00	4278540.00	4.84392		629360.00
4278540.00	4.72635			

▲ *** AERMOD - VERSION 21112 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: C_INV

*** INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629260.00	4278560.00	6.19386	629280.00
4278560.00	5.88605		
629300.00	4278560.00	5.66358	629320.00
4278560.00	5.46752		
629340.00	4278560.00	5.34970	629360.00
4278560.00	5.19216		
629280.00	4278580.00	6.64860	629300.00
4278580.00	6.31070		

Natomas_CSTN_062921

629320.00	4278580.00	6.08335	629340.00
4278580.00	5.85527		
629320.00	4278600.00	6.68561	628480.00
4278740.00	1.86200		
628500.00	4278740.00	2.16410	628460.00
4278760.00	1.76814		
628480.00	4278760.00	1.99555	628500.00
4278760.00	2.33480		
628520.00	4278760.00	2.85437	628440.00
4278780.00	1.68987		
628460.00	4278780.00	1.87533	628480.00
4278780.00	2.12475		
628500.00	4278780.00	2.46559	628520.00
4278780.00	2.97481		
628540.00	4278780.00	3.64343	628420.00
4278800.00	1.61948		
628440.00	4278800.00	1.78476	628460.00
4278800.00	1.99006		
628480.00	4278800.00	2.24860	628500.00
4278800.00	2.59855		
628520.00	4278800.00	3.08338	628540.00
4278800.00	3.77965		
628400.00	4278820.00	1.55157	628420.00
4278820.00	1.70508		
628440.00	4278820.00	1.88794	628460.00
4278820.00	2.10722		
628480.00	4278820.00	2.38156	628500.00
4278820.00	2.74302		
628520.00	4278820.00	3.23077	628540.00
4278820.00	3.90587		
628560.00	4278820.00	4.81187	628380.00
4278840.00	1.48827		
628400.00	4278840.00	1.63142	628420.00
4278840.00	1.79930		
628440.00	4278840.00	1.99752	628460.00
4278840.00	2.23672		
628480.00	4278840.00	2.53822	628500.00
4278840.00	2.92108		
628520.00	4278840.00	3.43246	628540.00
4278840.00	4.13579		
628560.00	4278840.00	5.10346	628360.00
4278860.00	1.42231		
628380.00	4278860.00	1.55952	628400.00
4278860.00	1.71915		
628420.00	4278860.00	1.90125	628440.00
4278860.00	2.12060		
628460.00	4278860.00	2.38721	628480.00
4278860.00	2.71815		

Natomas_CSTN_062921

628500.00	4278860.00	3.14310	628520.00
4278860.00	3.72284		
628340.00	4278880.00	1.36046	628360.00
4278880.00	1.49164		
628380.00	4278880.00	1.64242	628400.00
4278880.00	1.81474		
628420.00	4278880.00	2.01580	628440.00
4278880.00	2.25680		
628460.00	4278880.00	2.55685	628480.00
4278880.00	2.93179		
628500.00	4278880.00	3.44500	628320.00
4278900.00	1.29829		
628340.00	4278900.00	1.42540	628360.00
4278900.00	1.57135		
628380.00	4278900.00	1.73609	628400.00
4278900.00	1.92297		
628420.00	4278900.00	2.14531	628440.00
4278900.00	2.41573		
628460.00	4278900.00	2.75342	628480.00
4278900.00	3.20423		
629760.00	4278900.00	2.27487	628320.00
4278920.00	1.35870		
628340.00	4278920.00	1.50420	628360.00
4278920.00	1.66631		

▲ *** AERMOD - VERSION 21112 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: C_INV ***

INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
628380.00	4278920.00	1.84456	628400.00

Natomas_CSTN_062921

4278920.00	2.04970			
	628420.00	4278920.00	2.29799	628440.00
4278920.00	2.59755			
	628460.00	4278920.00	2.99802	629740.00
4278920.00	2.43123			
	629760.00	4278920.00	2.28823	628320.00
4278940.00	1.43511			
	628340.00	4278940.00	1.60399	628360.00
4278940.00	1.78267			
	628380.00	4278940.00	1.97384	628400.00
4278940.00	2.19975			
	628420.00	4278940.00	2.47214	628440.00
4278940.00	2.81590			
	628460.00	4278940.00	3.30562	629740.00
4278940.00	2.45007			
	629760.00	4278940.00	2.29580	628100.00
4278960.00	0.64930			
	628120.00	4278960.00	0.68425	628320.00
4278960.00	1.54102			
	628340.00	4278960.00	1.73762	628360.00
4278960.00	1.93044			
	628380.00	4278960.00	2.13715	628400.00
4278960.00	2.37946			
	628420.00	4278960.00	2.67883	628440.00
4278960.00	3.08657			
	629720.00	4278960.00	2.63144	629740.00
4278960.00	2.47270			
	629760.00	4278960.00	2.31712	628100.00
4278980.00	0.65940			
	628120.00	4278980.00	0.69556	628140.00
4278980.00	0.73553			
	628160.00	4278980.00	0.78026	628180.00
4278980.00	0.83070			
	628300.00	4278980.00	1.43015	628320.00
4278980.00	1.69072			
	628340.00	4278980.00	1.91475	628360.00
4278980.00	2.11797			
	628380.00	4278980.00	2.33751	628400.00
4278980.00	2.59811			
	628420.00	4278980.00	2.94070	628440.00
4278980.00	3.42085			
	629720.00	4278980.00	2.64532	629740.00
4278980.00	2.48021			
	629760.00	4278980.00	2.32156	628100.00
4279000.00	0.66981			
	628120.00	4279000.00	0.70697	628140.00
4279000.00	0.74827			
	628160.00	4279000.00	0.79472	628180.00

Natomas_CSTN_062921

4279000.00	0.84719			
628200.00	4279000.00	0.90719		628220.00
4279000.00	0.97762			
628240.00	4279000.00	1.06252		628320.00
4279000.00	1.78491			
628340.00	4279000.00	2.06979		628360.00
4279000.00	2.31456			
628380.00	4279000.00	2.56441		628400.00
4279000.00	2.85606			
628420.00	4279000.00	3.24501		628440.00
4279000.00	3.80963			
629700.00	4279000.00	2.87719		629720.00
4279000.00	2.67609			
629740.00	4279000.00	2.48717		629760.00
4279000.00	2.32987			
629780.00	4279000.00	2.19407		628100.00
4279020.00	0.68022			
628120.00	4279020.00	0.71850		628140.00
4279020.00	0.76104			
628160.00	4279020.00	0.80923		628180.00
4279020.00	0.86378			
628200.00	4279020.00	0.92669		628220.00
4279020.00	1.00061			
628240.00	4279020.00	1.09278		628400.00
4279020.00	3.05342			
628420.00	4279020.00	3.55191		628440.00
4279020.00	4.26641			
629680.00	4279020.00	3.12106		629700.00
4279020.00	2.89507			
629720.00	4279020.00	2.68992		629740.00
4279020.00	2.50703			

▲ *** AERMOD - VERSION 21112 *** ***

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*** 17:40:15

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_INV ***
INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

Natomas_CSTN_062921

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629760.00	4279020.00	2.33672	629780.00
4279020.00	2.20902		
628100.00	4279040.00	0.69053	628120.00
4279040.00	0.72986		
628140.00	4279040.00	0.77367	628160.00
4279040.00	0.82363		
628180.00	4279040.00	0.88040	628200.00
4279040.00	0.94619		
628220.00	4279040.00	1.02458	628240.00
4279040.00	1.12499		
629680.00	4279040.00	3.15987	629700.00
4279040.00	2.90222		
629720.00	4279040.00	2.69001	629740.00
4279040.00	2.50363		
629760.00	4279040.00	2.35299	629780.00
4279040.00	2.22005		
628100.00	4279060.00	0.70070	628120.00
4279060.00	0.74109		
628140.00	4279060.00	0.78657	628160.00
4279060.00	0.83799		
628180.00	4279060.00	0.89704	628200.00
4279060.00	0.96644		
628220.00	4279060.00	1.04998	628240.00
4279060.00	1.15697		
629660.00	4279060.00	3.45156	629680.00
4279060.00	3.16706		
629700.00	4279060.00	2.92368	629720.00
4279060.00	2.71130		
629740.00	4279060.00	2.51879	629760.00
4279060.00	2.34526		
629780.00	4279060.00	2.20578	628100.00
4279080.00	0.71086		
628120.00	4279080.00	0.75276	628140.00
4279080.00	0.79976		
628160.00	4279080.00	0.85303	628180.00
4279080.00	0.91489		
628200.00	4279080.00	0.98727	628220.00
4279080.00	1.07511		
628300.00	4279080.00	1.73595	628320.00
4279080.00	2.04414		
628340.00	4279080.00	2.40817	628360.00
4279080.00	2.80344		

Natomas_CSTN_062921

629640.00	4279080.00	3.78308	629660.00
4279080.00	3.46007		
629680.00	4279080.00	3.17602	629700.00
4279080.00	2.94610		
629720.00	4279080.00	2.71138	628100.00
4279100.00	0.72142		
628120.00	4279100.00	0.76458	628140.00
4279100.00	0.81328		
628160.00	4279100.00	0.86884	628180.00
4279100.00	0.93292		
628200.00	4279100.00	1.00830	628220.00
4279100.00	1.09897		
628300.00	4279100.00	1.72653	628320.00
4279100.00	1.99661		
628340.00	4279100.00	2.32440	628360.00
4279100.00	2.70559		
629620.00	4279100.00	4.13598	629640.00
4279100.00	3.78514		
629660.00	4279100.00	3.45793	629680.00
4279100.00	3.19120		
629700.00	4279100.00	2.95518	628080.00
4279120.00	0.69219		
628100.00	4279120.00	0.73231	628120.00
4279120.00	0.77708		
628140.00	4279120.00	0.82751	628160.00
4279120.00	0.88504		
628180.00	4279120.00	0.95153	628200.00
4279120.00	1.02889		
628220.00	4279120.00	1.12198	628300.00
4279120.00	1.72871		
628320.00	4279120.00	1.97644	628340.00
4279120.00	2.28134		
628360.00	4279120.00	2.65068	629600.00
4279120.00	4.50358		
629620.00	4279120.00	4.12877	629640.00
4279120.00	3.78254		
629660.00	4279120.00	3.45476	629680.00
4279120.00	3.19842		

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **

*** 17:40:15

PAGE 43

*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION

Natomas_CSTN_062921

VALUES FOR SOURCE GROUP: C_INV

INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629700.00	4279120.00	2.95806	628080.00
4279140.00	0.70247		
628100.00	4279140.00	0.74364	628120.00
4279140.00	0.78972		
628140.00	4279140.00	0.84190	628160.00
4279140.00	0.90138		
628180.00	4279140.00	0.96974	628200.00
4279140.00	1.04948		
628220.00	4279140.00	1.14435	628300.00
4279140.00	1.73862		
628320.00	4279140.00	1.97509	628340.00
4279140.00	2.26753		
628360.00	4279140.00	2.63023	629580.00
4279140.00	4.93237		
629600.00	4279140.00	4.51698	629620.00
4279140.00	4.11406		
629640.00	4279140.00	3.76737	629660.00
4279140.00	3.46160		
629680.00	4279140.00	3.20298	629700.00
4279140.00	2.95477		
628060.00	4279160.00	0.67449	628080.00
4279160.00	0.71255		
628100.00	4279160.00	0.75499	628120.00
4279160.00	0.80250		
628140.00	4279160.00	0.85628	628160.00
4279160.00	0.91745		
628180.00	4279160.00	0.98760	628200.00
4279160.00	1.06939		
628220.00	4279160.00	1.16550	629580.00
4279160.00	4.91294		
629600.00	4279160.00	4.48012	629620.00
4279160.00	4.10031		
629640.00	4279160.00	3.76373	629660.00
4279160.00	3.46494		
629680.00	4279160.00	3.19543	628060.00

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4279180.00	0.68386			
	628080.00	4279180.00	0.72298	628100.00
4279180.00	0.76663			
	628120.00	4279180.00	0.81554	628140.00
4279180.00	0.87063			
	628160.00	4279180.00	0.93338	628180.00
4279180.00	1.00539			
	628200.00	4279180.00	1.08878	628220.00
4279180.00	1.18584			
	628060.00	4279200.00	0.69331	628080.00
4279200.00	0.73352			
	628100.00	4279200.00	0.77834	628120.00
4279200.00	0.82849			
	628140.00	4279200.00	0.88499	628160.00
4279200.00	0.94926			
	628180.00	4279200.00	1.02269	628200.00
4279200.00	1.10745			
	628220.00	4279200.00	1.20549	628040.00
4279220.00	0.66555			
	628060.00	4279220.00	0.70284	628080.00
4279220.00	0.74408			
	628100.00	4279220.00	0.79002	628120.00
4279220.00	0.84135			
	628140.00	4279220.00	0.89914	628160.00
4279220.00	0.96477			
	628180.00	4279220.00	1.03970	628200.00
4279220.00	1.12570			
	628220.00	4279220.00	1.22454	628240.00
4279220.00	1.34041			
	628040.00	4279240.00	0.67395	628060.00
4279240.00	0.71227			
	628080.00	4279240.00	0.75449	628100.00
4279240.00	0.80147			
	628120.00	4279240.00	0.85408	628140.00
4279240.00	0.91304			
	628160.00	4279240.00	0.98006	628180.00
4279240.00	1.05624			
	628200.00	4279240.00	1.14318	628220.00
4279240.00	1.24266			
	628240.00	4279240.00	1.35822	629560.00
4279240.00	5.07845			
	628040.00	4279260.00	0.68264	628060.00
4279260.00	0.72156			
	628080.00	4279260.00	0.76477	628100.00
4279260.00	0.81278			

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 ***

*** 17:40:15

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_INV ***
INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
628120.00	4279260.00	0.86648	628140.00
4279260.00	0.92667		
628160.00	4279260.00	0.99474	628180.00
4279260.00	1.07200		
628200.00	4279260.00	1.15980	628220.00
4279260.00	1.25996		
628240.00	4279260.00	1.37587	629540.00
4279260.00	5.48635		
629560.00	4279260.00	5.01397	629580.00
4279260.00	4.59293		
629600.00	4279260.00	4.22458	628080.00
4279280.00	0.77463		
628100.00	4279280.00	0.82373	628120.00
4279280.00	0.87848		
628140.00	4279280.00	0.93994	628160.00
4279280.00	1.00894		
628180.00	4279280.00	1.08700	628200.00
4279280.00	1.17538		
628220.00	4279280.00	1.27708	629520.00
4279280.00	5.77210		
629540.00	4279280.00	5.33488	629560.00
4279280.00	4.90088		
629580.00	4279280.00	4.52113	629600.00
4279280.00	4.18063		
629620.00	4279280.00	3.87205	629640.00
4279280.00	3.59116		
629520.00	4279300.00	5.58871	629540.00
4279300.00	5.19087		

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629560.00	4279300.00	4.79543	629580.00
4279300.00	4.44702		
629600.00	4279300.00	4.12624	629620.00
4279300.00	3.83401		
629640.00	4279300.00	3.56857	629660.00
4279300.00	3.32344		
629520.00	4279320.00	5.40498	629540.00
4279320.00	5.04630		
629560.00	4279320.00	4.70029	629580.00
4279320.00	4.37524		
629600.00	4279320.00	4.05481	629620.00
4279320.00	3.77969		
629640.00	4279320.00	3.53082	629660.00
4279320.00	3.29456		
629680.00	4279320.00	3.09348	629700.00
4279320.00	2.89495		
629520.00	4279340.00	5.25198	629540.00
4279340.00	4.91215		
629560.00	4279340.00	4.59375	629580.00
4279340.00	4.28119		
629600.00	4279340.00	3.99835	629620.00
4279340.00	3.73163		
629640.00	4279340.00	3.48721	629660.00
4279340.00	3.26780		
629680.00	4279340.00	3.07088	629700.00
4279340.00	2.88303		
629720.00	4279340.00	2.70771	629740.00
4279340.00	2.54809		
629760.00	4279340.00	2.40112	629520.00
4279360.00	5.10696		
629540.00	4279360.00	4.78174	629560.00
4279360.00	4.48489		
629580.00	4279360.00	4.19265	629600.00
4279360.00	3.93399		
629620.00	4279360.00	3.68862	629640.00
4279360.00	3.45668		
629660.00	4279360.00	3.23854	629680.00
4279360.00	3.04144		
629700.00	4279360.00	2.86205	629720.00
4279360.00	2.69416		
629740.00	4279360.00	2.53999	629760.00
4279360.00	2.39715		
629520.00	4279380.00	4.96878	629540.00
4279380.00	4.66328		
629560.00	4279380.00	4.38394	629580.00
4279380.00	4.11337		
629600.00	4279380.00	3.86788	629620.00
4279380.00	3.63383		

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629640.00	4279380.00	3.41291	629660.00
4279380.00	3.20805		
629680.00	4279380.00	3.01627	629700.00
4279380.00	2.84112		

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **
 *** 17:40:15

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

VALUES FOR SOURCE GROUP: C_INV *** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION ***

INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629720.00	4279380.00	2.67314	629740.00
4279380.00	2.52678		
629520.00	4279400.00	4.83904	629540.00
4279400.00	4.55554		
629560.00	4279400.00	4.28969	629580.00
4279400.00	4.03089		
629600.00	4279400.00	3.80134	629620.00
4279400.00	3.58128		
629640.00	4279400.00	3.37185	629660.00
4279400.00	3.17531		
629680.00	4279400.00	2.98589	629700.00
4279400.00	2.82137		
629720.00	4279400.00	2.65888	629040.00
4279420.00	15.83261		
629060.00	4279420.00	15.58800	629520.00
4279420.00	4.71438		
629540.00	4279420.00	4.45347	629560.00
4279420.00	4.20052		
629580.00	4279420.00	3.95743	629600.00
4279420.00	3.73928		
629620.00	4279420.00	3.52936	629640.00

Natomas_CSTN_062921

4279420.00	3.32732			
629660.00	4279420.00	3.13820		629680.00
4279420.00	2.95795			
629700.00	4279420.00	2.79833		629040.00
4279440.00	14.37081			
629060.00	4279440.00	14.38382		629580.00
4279440.00	3.88487			
629600.00	4279440.00	3.67032		629620.00
4279440.00	3.47231			
629640.00	4279440.00	3.27695		629660.00
4279440.00	3.09887			
629680.00	4279440.00	2.92282		629580.00
4279460.00	3.81388			
629600.00	4279460.00	3.61374		629620.00
4279460.00	3.41896			
629640.00	4279460.00	3.23927		629660.00
4279460.00	3.06425			
629140.00	4279680.00	6.34760		629160.00
4279680.00	6.36181			
629180.00	4279680.00	6.22127		629200.00
4279680.00	6.02650			
629140.00	4279700.00	5.91678		629160.00
4279700.00	5.91691			
629180.00	4279700.00	5.83790		629200.00
4279700.00	5.70529			
629220.00	4279700.00	5.55768		629240.00
4279700.00	5.40558			
629260.00	4279700.00	5.25879		629280.00
4279700.00	5.11104			
629300.00	4279700.00	4.96808		629320.00
4279700.00	4.82761			
629340.00	4279700.00	4.68724		629360.00
4279700.00	4.54441			
629380.00	4279700.00	4.39907		629400.00
4279700.00	4.25206			
629420.00	4279700.00	4.11821		629140.00
4279720.00	5.56386			
629160.00	4279720.00	5.55121		629180.00
4279720.00	5.49815			
629200.00	4279720.00	5.40686		629220.00
4279720.00	5.29579			
629240.00	4279720.00	5.17182		629260.00
4279720.00	5.04393			
629280.00	4279720.00	4.91347		629300.00
4279720.00	4.77638			
629320.00	4279720.00	4.64949		629340.00
4279720.00	4.52432			
629360.00	4279720.00	4.39752		629380.00

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4279720.00	4.26725			
629400.00	4279720.00	4.13210		629420.00
4279720.00	4.00032			
629140.00	4279740.00	5.26300		629160.00
4279740.00	5.24279			
629180.00	4279740.00	5.20222		629200.00
4279740.00	5.13208			
629220.00	4279740.00	5.04164		629240.00
4279740.00	4.94403			
629260.00	4279740.00	4.83160		629280.00
4279740.00	4.71545			

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **
*** 17:40:15

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_INV ***
INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629300.00	4279740.00	4.59806	629320.00
4279740.00	4.48747		
629340.00	4279740.00	4.37232	629360.00
4279740.00	4.25569		
629380.00	4279740.00	4.13630	629400.00
4279740.00	4.01333		
629420.00	4279740.00	3.89061	628920.00
4279760.00	4.96294		
628940.00	4279760.00	4.99777	628960.00
4279760.00	5.02769		
628980.00	4279760.00	5.05033	629000.00
4279760.00	5.06603		
629020.00	4279760.00	5.07581	629040.00
4279760.00	5.07964		

Natomas_CSTN_062921

629060.00	4279760.00	5.07657	629080.00
4279760.00	5.06537		
629100.00	4279760.00	5.04514	629120.00
4279760.00	5.02414		
629140.00	4279760.00	5.00072	629160.00
4279760.00	4.99063		
629180.00	4279760.00	4.94827	629200.00
4279760.00	4.88797		
629220.00	4279760.00	4.81816	629240.00
4279760.00	4.73471		
629260.00	4279760.00	4.63825	629280.00
4279760.00	4.53513		
629300.00	4279760.00	4.43596	629320.00
4279760.00	4.33501		
629340.00	4279760.00	4.22895	629360.00
4279760.00	4.11972		
629380.00	4279760.00	4.00905	629400.00
4279760.00	3.89729		
629420.00	4279760.00	3.78427	628920.00
4279780.00	4.74333		
628940.00	4279780.00	4.77774	628960.00
4279780.00	4.80437		
628980.00	4279780.00	4.82492	629000.00
4279780.00	4.83938		
629020.00	4279780.00	4.84772	629040.00
4279780.00	4.84962		
629060.00	4279780.00	4.84422	629080.00
4279780.00	4.83148		
629100.00	4279780.00	4.81382	629120.00
4279780.00	4.79373		
629140.00	4279780.00	4.77034	629160.00
4279780.00	4.75430		
629180.00	4279780.00	4.71669	629200.00
4279780.00	4.67026		
629220.00	4279780.00	4.60741	629240.00
4279780.00	4.53450		
629260.00	4279780.00	4.45657	629280.00
4279780.00	4.37084		
629300.00	4279780.00	4.28133	629320.00
4279780.00	4.18895		
629340.00	4279780.00	4.08958	629360.00
4279780.00	3.98842		
629380.00	4279780.00	3.88702	629400.00
4279780.00	3.78521		
628920.00	4279800.00	4.53740	628940.00
4279800.00	4.56899		
628960.00	4279800.00	4.59452	628980.00
4279800.00	4.61398		

Natomas_CSTN_062921

629000.00	4279800.00	4.62724	629020.00
4279800.00	4.63425		
629040.00	4279800.00	4.63493	629060.00
4279800.00	4.62847		
629080.00	4279800.00	4.61575	629100.00
4279800.00	4.59927		
629120.00	4279800.00	4.58033	629140.00
4279800.00	4.55817		
629160.00	4279800.00	4.54086	629180.00
4279800.00	4.50685		
629200.00	4279800.00	4.46451	629220.00
4279800.00	4.41090		
629240.00	4279800.00	4.34737	629260.00
4279800.00	4.28354		
629280.00	4279800.00	4.20906	629300.00
4279800.00	4.12968		
629320.00	4279800.00	4.04612	629340.00
4279800.00	3.95598		

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **
*** 17:40:15

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

VALUES FOR SOURCE GROUP: C_INV *** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION ***
INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629360.00	4279800.00	3.86109	629380.00
4279800.00	3.77046		
628920.00	4279820.00	4.34273	628940.00
4279820.00	4.37321		
628960.00	4279820.00	4.39773	628980.00
4279820.00	4.41620		
629000.00	4279820.00	4.42631	629020.00

Natomas_CSTN_062921

4279820.00	4.43134			
629040.00	4279820.00	4.42967		629060.00
4279820.00	4.42790			
629080.00	4279820.00	4.41615		629100.00
4279820.00	4.40111			
629120.00	4279820.00	4.38228		629140.00
4279820.00	4.36107			
629160.00	4279820.00	4.34562		629180.00
4279820.00	4.31438			
629200.00	4279820.00	4.27771		629220.00
4279820.00	4.23230			
629240.00	4279820.00	4.17974		629260.00
4279820.00	4.12334			
629280.00	4279820.00	4.05865		629300.00
4279820.00	3.98782			
629320.00	4279820.00	3.91182		629340.00
4279820.00	3.82932			
629360.00	4279820.00	3.74458		628920.00
4279840.00	4.15986			
628940.00	4279840.00	4.18929		628960.00
4279840.00	4.21285			
628980.00	4279840.00	4.23050		629000.00
4279840.00	4.24181			
629020.00	4279840.00	4.24769		629040.00
4279840.00	4.24684			
629060.00	4279840.00	4.23861		629080.00
4279840.00	4.22930			
629100.00	4279840.00	4.21392		629120.00
4279840.00	4.19807			
629140.00	4279840.00	4.18070		629160.00
4279840.00	4.16412			
629180.00	4279840.00	4.13710		629200.00
4279840.00	4.10706			
629220.00	4279840.00	4.06834		629240.00
4279840.00	4.02256			
629260.00	4279840.00	3.97300		629280.00
4279840.00	3.91439			
629300.00	4279840.00	3.85187		629320.00
4279840.00	3.78415			
629340.00	4279840.00	3.71119		629360.00
4279840.00	3.63472			
628920.00	4279860.00	3.98746		628940.00
4279860.00	4.01619			
628960.00	4279860.00	4.03656		628980.00
4279860.00	4.05576			
629000.00	4279860.00	4.06682		629020.00
4279860.00	4.07208			
629040.00	4279860.00	4.07184		629060.00

Natomas_CSTN_062921

4279860.00	4.06635			
	629080.00	4279860.00	4.05806	629100.00
4279860.00	4.04294			
	629120.00	4279860.00	4.02907	629140.00
4279860.00	4.01097			
	629160.00	4279860.00	3.99101	629180.00
4279860.00	3.96903			
	629200.00	4279860.00	3.94015	629220.00
4279860.00	3.91381			
	629240.00	4279860.00	3.87615	629260.00
4279860.00	3.83010			
	629280.00	4279860.00	3.77608	629300.00
4279860.00	3.72035			
	629320.00	4279860.00	3.66089	629340.00
4279860.00	3.59747			
	628920.00	4279880.00	3.82543	628940.00
4279880.00	3.85303			
	628960.00	4279880.00	3.87111	628980.00
4279880.00	3.89033			
	629000.00	4279880.00	3.90187	629020.00
4279880.00	3.90718			
	629040.00	4279880.00	3.90756	629060.00
4279880.00	3.90377			
	629080.00	4279880.00	3.89670	629100.00
4279880.00	3.88209			

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **

*** 17:40:15

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_INV ***

INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

Natomas_CSTN_062921

629120.00	4279880.00	3.87167	629140.00
4279880.00	3.85700		
629160.00	4279880.00	3.83805	629180.00
4279880.00	3.81827		
629200.00	4279880.00	3.79666	629220.00
4279880.00	3.76905		
629240.00	4279880.00	3.73580	629260.00
4279880.00	3.69492		
629280.00	4279880.00	3.64701	629300.00
4279880.00	3.59715		
629320.00	4279880.00	3.54388	628920.00
4279900.00	3.67186		
628940.00	4279900.00	3.69904	628960.00
4279900.00	3.71625		
628980.00	4279900.00	3.73413	629000.00
4279900.00	3.74654		
629020.00	4279900.00	3.75217	629040.00
4279900.00	3.75339		
629060.00	4279900.00	3.75095	629080.00
4279900.00	3.74557		
629100.00	4279900.00	3.73137	629120.00
4279900.00	3.72307		
629140.00	4279900.00	3.70864	629160.00
4279900.00	3.69572		
629180.00	4279900.00	3.67947	629200.00
4279900.00	3.65962		
629220.00	4279900.00	3.63322	629240.00
4279900.00	3.60220		
629260.00	4279900.00	3.56341	629280.00
4279900.00	3.52637		
629300.00	4279900.00	3.48184	628920.00
4279920.00	3.52791		
628940.00	4279920.00	3.55352	628960.00
4279920.00	3.57408		
628980.00	4279920.00	3.58954	629000.00
4279920.00	3.60015		
629020.00	4279920.00	3.60630	629040.00
4279920.00	3.60852		
629060.00	4279920.00	3.60741	629080.00
4279920.00	3.60362		
629100.00	4279920.00	3.59172	629120.00
4279920.00	3.58184		
629140.00	4279920.00	3.57178	629160.00
4279920.00	3.56195		
629180.00	4279920.00	3.55155	629200.00
4279920.00	3.53211		
629220.00	4279920.00	3.50545	629240.00
4279920.00	3.47918		

Natomas_CSTN_062921

629260.00	4279920.00	3.44622	629540.00
4278840.00	5.71992		
629540.00	4278820.00	5.56717	629560.00
4278820.00	4.89879		
629580.00	4278820.00	4.37809	629560.00
4278840.00	5.01890		

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **
*** 17:40:15

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): C_INV , C_CNU
,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629540.00	4278320.00	4.33952	629560.00
4278320.00	4.19790		
629540.00	4278340.00	4.46698	629560.00
4278340.00	4.31237		
629580.00	4278340.00	4.16321	629520.00
4278360.00	4.76809		
629540.00	4278360.00	4.59601	629560.00
4278360.00	4.43020		
629580.00	4278360.00	4.27104	629600.00
4278360.00	4.11690		
629620.00	4278360.00	3.96789	629640.00
4278360.00	3.82139		
629660.00	4278360.00	3.68432	629680.00
4278360.00	3.54886		
629700.00	4278360.00	3.42351	629720.00
4278360.00	3.29907		
629520.00	4278380.00	4.91392	629540.00
4278380.00	4.72810		

Natomas_CSTN_062921

629560.00	4278380.00	4.55039	629580.00
4278380.00	4.37950		
629600.00	4278380.00	4.21621	629620.00
4278380.00	4.05789		
629640.00	4278380.00	3.90627	629660.00
4278380.00	3.76001		
629680.00	4278380.00	3.61980	629700.00
4278380.00	3.48515		
629720.00	4278380.00	3.35744	629500.00
4278400.00	5.26961		
629520.00	4278400.00	5.06226	629540.00
4278400.00	4.86420		
629560.00	4278400.00	4.67323	629580.00
4278400.00	4.48994		
629600.00	4278400.00	4.31662	629620.00
4278400.00	4.14818		
629640.00	4278400.00	3.98730	629660.00
4278400.00	3.83338		
629680.00	4278400.00	3.68646	629700.00
4278400.00	3.54576		
629720.00	4278400.00	3.41252	629480.00
4278420.00	5.66921		
629500.00	4278420.00	5.43902	629520.00
4278420.00	5.21527		
629540.00	4278420.00	5.00165	629560.00
4278420.00	4.79697		
629580.00	4278420.00	4.60288	629600.00
4278420.00	4.41742		
629620.00	4278420.00	4.23924	629640.00
4278420.00	4.06965		
629660.00	4278420.00	3.90776	629680.00
4278420.00	3.75376		
629700.00	4278420.00	3.60689	629720.00
4278420.00	3.46739		
629480.00	4278440.00	5.86779	629500.00
4278440.00	5.61285		
629520.00	4278440.00	5.37129	629540.00
4278440.00	5.14153		
629560.00	4278440.00	4.92302	629580.00
4278440.00	4.71694		
629600.00	4278440.00	4.51958	629620.00
4278440.00	4.33094		
629640.00	4278440.00	4.15165	629660.00
4278440.00	3.98202		
629680.00	4278440.00	3.82107	629700.00
4278440.00	3.66731		
629720.00	4278440.00	3.52292	629460.00
4278460.00	6.35978		

Natomas_CSTN_062921

629480.00	4278460.00	6.06842	629500.00
4278460.00	5.79271		
629520.00	4278460.00	5.53124	629540.00
4278460.00	5.28457		
629560.00	4278460.00	5.05177	629580.00
4278460.00	4.83244		
629600.00	4278460.00	4.62322	629620.00
4278460.00	4.42432		
629640.00	4278460.00	4.23514	629660.00
4278460.00	4.05679		
629680.00	4278460.00	3.88866	629700.00
4278460.00	3.72911		
629720.00	4278460.00	3.57811	629440.00
4278480.00	6.92416		

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **
*** 17:40:15

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION ***
INCLUDING SOURCE(S): C_INV , C_CNU

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629460.00	4278480.00	6.59838	629480.00
4278480.00	6.27777		
629500.00	4278480.00	5.97708	629520.00
4278480.00	5.69511		
629540.00	4278480.00	5.43151	629560.00
4278480.00	5.18321		
629580.00	4278480.00	4.94944	629600.00
4278480.00	4.72773		
629620.00	4278480.00	4.51715	629640.00
4278480.00	4.31972		

Natomas_CSTN_062921

629660.00	4278480.00	4.13266	629680.00
4278480.00	3.95713		
629700.00	4278480.00	3.79042	629720.00
4278480.00	3.63300		
629440.00	4278500.00	7.21379	629460.00
4278500.00	6.84182		
629480.00	4278500.00	6.49019	629500.00
4278500.00	6.16602		
629520.00	4278500.00	5.86367	629540.00
4278500.00	5.58141		
629560.00	4278500.00	5.31656	629580.00
4278500.00	5.06943		
629600.00	4278500.00	4.83458	629620.00
4278500.00	4.61223		
629640.00	4278500.00	4.40374	629660.00
4278500.00	4.20854		
629680.00	4278500.00	4.02524	629700.00
4278500.00	3.85261		
629720.00	4278500.00	3.68692	629420.00
4278520.00	7.95790		
629440.00	4278520.00	7.51230	629460.00
4278520.00	7.09638		
629480.00	4278520.00	6.71281	629500.00
4278520.00	6.36206		
629520.00	4278520.00	6.03654	629540.00
4278520.00	5.73531		
629560.00	4278520.00	5.45350	629580.00
4278520.00	5.19156		
629600.00	4278520.00	4.94357	629620.00
4278520.00	4.70915		
629640.00	4278520.00	4.48987	629660.00
4278520.00	4.28501		
629680.00	4278520.00	4.09330	629700.00
4278520.00	3.91345		
629720.00	4278520.00	3.74105	629420.00
4278540.00	8.29834		
629440.00	4278540.00	7.80820	629460.00
4278540.00	7.35068		
629480.00	4278540.00	6.93977	629500.00
4278540.00	6.56436		
629520.00	4278540.00	6.21729	629540.00
4278540.00	5.89372		
629560.00	4278540.00	5.59505	629580.00
4278540.00	5.31696		
629600.00	4278540.00	5.05302	629620.00
4278540.00	4.80715		
629640.00	4278540.00	4.57634	629660.00
4278540.00	4.36143		

Natomas_CSTN_062921

629680.00	4278540.00	4.16132	629700.00
4278540.00	3.97444		
629720.00	4278540.00	3.79480	629460.00
4278560.00	7.61568		
629480.00	4278560.00	7.17682	629500.00
4278560.00	6.77096		
629520.00	4278560.00	6.40046	629540.00
4278560.00	6.05755		
629560.00	4278560.00	5.74031	629580.00
4278560.00	5.44307		
629600.00	4278560.00	5.16574	629620.00
4278560.00	4.90391		
629640.00	4278560.00	4.66141	629660.00
4278560.00	4.43701		
629680.00	4278560.00	4.22847	629700.00
4278560.00	4.03452		
629720.00	4278560.00	3.84742	629480.00
4278580.00	7.41584		
629500.00	4278580.00	6.98955	629520.00
4278580.00	6.59243		
629540.00	4278580.00	6.22296	629560.00
4278580.00	5.88561		

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **
*** 17:40:15

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): C_INV , C_CNU

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629580.00	4278580.00	5.57179	629600.00
4278580.00	5.28014		

Natomas_CSTN_062921

629620.00	4278580.00	5.00380	629640.00
4278580.00	4.74673		
629660.00	4278580.00	4.51162	629680.00
4278580.00	4.29446		
629700.00	4278580.00	4.09207	629720.00
4278580.00	3.90011		
629520.00	4278600.00	6.78393	629540.00
4278600.00	6.39414		
629560.00	4278600.00	6.03386	629580.00
4278600.00	5.70218		
629600.00	4278600.00	5.38660	629620.00
4278600.00	5.09966		
629640.00	4278600.00	4.83115	629660.00
4278600.00	4.58372		
629680.00	4278600.00	4.35811	629700.00
4278600.00	4.14799		
629720.00	4278600.00	3.95200	629620.00
4278620.00	5.18706		
629640.00	4278620.00	4.90604	629660.00
4278620.00	4.64862		
629680.00	4278620.00	4.41408	629700.00
4278620.00	4.19571		
629720.00	4278620.00	3.99860	629000.00
4278200.00	4.24251		
629020.00	4278200.00	4.35052	629040.00
4278200.00	4.45136		
629060.00	4278200.00	4.54926	629060.00
4278220.00	4.86007		
629080.00	4278220.00	4.94488	629100.00
4278220.00	5.01037		
629120.00	4278220.00	5.07201	629140.00
4278220.00	5.11868		
629160.00	4278220.00	5.14777	629180.00
4278220.00	5.15527		
629100.00	4278240.00	5.37693	629120.00
4278240.00	5.42644		
629140.00	4278240.00	5.46271	629160.00
4278240.00	5.48058		
629180.00	4278240.00	5.48213	629200.00
4278240.00	5.46169		
629220.00	4278240.00	5.42988	629240.00
4278240.00	5.38060		
629260.00	4278240.00	5.32204	629280.00
4278240.00	5.24835		
629300.00	4278240.00	5.16054	629320.00
4278240.00	5.07480		
629140.00	4278260.00	5.85500	629160.00
4278260.00	5.85937		

Natomas_CSTN_062921

629180.00	4278260.00	5.84565	629200.00
4278260.00	5.81428		
629220.00	4278260.00	5.76415	629240.00
4278260.00	5.69901		
629260.00	4278260.00	5.62185	629280.00
4278260.00	5.53065		
629300.00	4278260.00	5.42578	629320.00
4278260.00	5.32314		
629340.00	4278260.00	5.20669	629360.00
4278260.00	5.08332		
629380.00	4278260.00	4.95917	629400.00
4278260.00	4.83363		
629420.00	4278260.00	4.70814	629440.00
4278260.00	4.58189		
629460.00	4278260.00	4.45676	629160.00
4278280.00	6.26781		
629180.00	4278280.00	6.24151	629200.00
4278280.00	6.19622		
629220.00	4278280.00	6.12943	629240.00
4278280.00	6.04599		
629260.00	4278280.00	5.94796	629280.00
4278280.00	5.83731		
629300.00	4278280.00	5.71197	629320.00
4278280.00	5.58609		
629340.00	4278280.00	5.45356	629360.00
4278280.00	5.31320		
629380.00	4278280.00	5.17404	629400.00
4278280.00	5.03366		
629420.00	4278280.00	4.89267	629440.00
4278280.00	4.75458		

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***

*** 17:40:15

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION ***

INCLUDING SOURCE(S): C_INV , C_CNU

,
*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

Natomas_CSTN_062921

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
4278280.00	629460.00	4278280.00	4.61715	629480.00
4278300.00	629500.00	4278280.00	4.35285	629200.00
4278300.00	629220.00	4278300.00	6.51949	629240.00
4278300.00	629260.00	4278300.00	6.29385	629280.00
4278300.00	629300.00	4278300.00	6.01061	629320.00
4278300.00	629340.00	4278300.00	5.71450	629360.00
4278300.00	629380.00	4278300.00	5.39871	629400.00
4278300.00	629420.00	4278300.00	5.08574	629440.00
4278300.00	629460.00	4278300.00	4.78390	629480.00
4278300.00	629500.00	4278300.00	4.49546	629520.00
4278320.00	629220.00	4278320.00	6.94494	629240.00
4278320.00	629260.00	4278320.00	6.66701	629280.00
4278320.00	629300.00	4278320.00	6.33447	629320.00
4278320.00	629340.00	4278320.00	5.98885	629360.00
4278320.00	629380.00	4278320.00	5.63148	629400.00
4278320.00	629420.00	4278320.00	5.28651	629440.00
4278320.00	629460.00	4278320.00	4.95539	629480.00
4278320.00	629500.00	4278320.00	4.64167	629520.00
4278340.00	629160.00	4278340.00	7.77905	629240.00
4278340.00	629260.00	4278340.00	7.06982	629280.00
4278340.00	629300.00	4278340.00	6.67741	629320.00
4278340.00	629420.00	4278340.00	6.47902	

Natomas_CSTN_062921

629340.00	4278340.00	6.27953	629360.00
4278340.00	6.07408		
629380.00	4278340.00	5.87585	629400.00
4278340.00	5.68230		
629420.00	4278340.00	5.49602	629440.00
4278340.00	5.31235		
629460.00	4278340.00	5.13387	629480.00
4278340.00	4.96080		
629500.00	4278340.00	4.79040	629140.00
4278360.00	8.50997		
629160.00	4278360.00	8.41156	629180.00
4278360.00	8.27523		
629260.00	4278360.00	7.50386	629280.00
4278360.00	7.27982		
629300.00	4278360.00	7.04355	629320.00
4278360.00	6.81088		
629340.00	4278360.00	6.58704	629360.00
4278360.00	6.35616		
629380.00	4278360.00	6.13480	629400.00
4278360.00	5.92175		
629420.00	4278360.00	5.71444	629440.00
4278360.00	5.51335		
629460.00	4278360.00	5.31919	629480.00
4278360.00	5.13048		
629500.00	4278360.00	4.94141	629140.00
4278380.00	9.27676		
629160.00	4278380.00	9.12719	629180.00
4278380.00	8.93574		
629200.00	4278380.00	8.71897	629280.00
4278380.00	7.70865		
629300.00	4278380.00	7.43495	629320.00
4278380.00	7.16986		
629340.00	4278380.00	6.91032	629360.00
4278380.00	6.65141		
629380.00	4278380.00	6.40588	629400.00
4278380.00	6.17047		
629420.00	4278380.00	5.94379	629440.00
4278380.00	5.72324		

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***

*** 17:40:15

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION

Natomas_CSTN_062921

VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): C_INV , C_CNU

,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629460.00	4278380.00	5.50884	629480.00
4278380.00	5.30064		
629180.00	4278400.00	9.68027	629200.00
4278400.00	9.39466		
629220.00	4278400.00	9.09520	629300.00
4278400.00	7.85487		
629320.00	4278400.00	7.55085	629340.00
4278400.00	7.25757		
629360.00	4278400.00	6.96593	629380.00
4278400.00	6.69253		
629400.00	4278400.00	6.43422	629420.00
4278400.00	6.18526		
629440.00	4278400.00	5.94484	629460.00
4278400.00	5.71027		
629180.00	4278420.00	10.50758	629200.00
4278420.00	10.15118		
629220.00	4278420.00	9.77495	629240.00
4278420.00	9.40164		
629300.00	4278420.00	8.30684	629320.00
4278420.00	7.95565		
629340.00	4278420.00	7.62471	629360.00
4278420.00	7.30228		
629380.00	4278420.00	6.99671	629400.00
4278420.00	6.71355		
629420.00	4278420.00	6.43972	629440.00
4278420.00	6.17534		
629460.00	4278420.00	5.91090	629180.00
4278440.00	11.45272		
629200.00	4278440.00	10.98768	629220.00
4278440.00	10.52967		
629240.00	4278440.00	10.07084	629260.00
4278440.00	9.63134		
629320.00	4278440.00	8.39192	629340.00
4278440.00	8.01277		

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629360.00	4278440.00	7.65788	629380.00
4278440.00	7.32585		
629400.00	4278440.00	7.00979	629420.00
4278440.00	6.70662		
629440.00	4278440.00	6.41710	629160.00
4278460.00	13.14376		
629180.00	4278460.00	12.52897	629200.00
4278460.00	11.93352		
629220.00	4278460.00	11.36326	629240.00
4278460.00	10.80998		
629260.00	4278460.00	10.28429	629340.00
4278460.00	8.43430		
629360.00	4278460.00	8.03869	629380.00
4278460.00	7.67430		
629400.00	4278460.00	7.32839	629420.00
4278460.00	6.99338		
629180.00	4278480.00	13.76770	629200.00
4278480.00	13.01234		
629220.00	4278480.00	12.29841	629240.00
4278480.00	11.63012		
629260.00	4278480.00	11.00762	629280.00
4278480.00	10.41606		
629360.00	4278480.00	8.45210	629380.00
4278480.00	8.05176		
629400.00	4278480.00	7.67251	629200.00
4278500.00	14.23757		
629220.00	4278500.00	13.35312	629240.00
4278500.00	12.54537		
629260.00	4278500.00	11.80301	629280.00
4278500.00	11.11067		
629300.00	4278500.00	10.47200	629380.00
4278500.00	8.46737		
629220.00	4278520.00	14.56700	629240.00
4278520.00	13.57133		
629260.00	4278520.00	12.67898	629280.00
4278520.00	11.87498		
629300.00	4278520.00	11.13874	629320.00
4278520.00	10.48535		
629340.00	4278520.00	9.90096	629240.00
4278540.00	14.75870		
629260.00	4278540.00	13.67345	629280.00
4278540.00	12.71233		
629300.00	4278540.00	11.87627	629320.00
4278540.00	11.12763		
629340.00	4278540.00	10.50356	629360.00
4278540.00	9.95060		

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 ***
 *** 17:40:15

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): C_INV , C_CNU

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629260.00	4278560.00	14.80030	629280.00
4278560.00	13.67658		
629300.00	4278560.00	12.69725	629320.00
4278560.00	11.86160		
629340.00	4278560.00	11.18879	629360.00
4278560.00	10.56087		
629280.00	4278580.00	14.79803	629300.00
4278580.00	13.62915		
629320.00	4278580.00	12.69129	629340.00
4278580.00	11.88556		
629320.00	4278600.00	13.53544	628480.00
4278740.00	3.77059		
628500.00	4278740.00	4.26829	628460.00
4278760.00	3.55521		
628480.00	4278760.00	3.95692	628500.00
4278760.00	4.50466		
628520.00	4278760.00	5.27629	628440.00
4278780.00	3.36788		
628460.00	4278780.00	3.70963	628480.00
4278780.00	4.14565		
628500.00	4278780.00	4.70592	628520.00
4278780.00	5.48647		
628540.00	4278780.00	6.50011	628420.00
4278800.00	3.19963		
628440.00	4278800.00	3.50574	628460.00
4278800.00	3.87714		

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628480.00	4278800.00	4.32915	628500.00
4278800.00	4.91737		
628520.00	4278800.00	5.68896	628540.00
4278800.00	6.74518		
628400.00	4278820.00	3.04085	628420.00
4278820.00	3.32223		
628440.00	4278820.00	3.65421	628460.00
4278820.00	4.04569		
628480.00	4278820.00	4.52561	628500.00
4278820.00	5.14159		
628520.00	4278820.00	5.94175	628540.00
4278820.00	7.00668		
628560.00	4278820.00	8.43581	628380.00
4278840.00	2.89447		
628400.00	4278840.00	3.15250	628420.00
4278840.00	3.45404		
628440.00	4278840.00	3.80727	628460.00
4278840.00	4.22870		
628480.00	4278840.00	4.75223	628500.00
4278840.00	5.40444		
628520.00	4278840.00	6.25255	628540.00
4278840.00	7.38762		
628560.00	4278840.00	8.94693	628360.00
4278860.00	2.74719		
628380.00	4278860.00	2.98955	628400.00
4278860.00	3.27147		
628420.00	4278860.00	3.59201	628440.00
4278860.00	3.97532		
628460.00	4278860.00	4.43658	628480.00
4278860.00	5.00153		
628500.00	4278860.00	5.71308	628520.00
4278860.00	6.65807		
628340.00	4278880.00	2.61213	628360.00
4278880.00	2.83829		
628380.00	4278880.00	3.09898	628400.00
4278880.00	3.39729		
628420.00	4278880.00	3.74412	628440.00
4278880.00	4.15660		
628460.00	4278880.00	4.66367	628480.00
4278880.00	5.28650		
628500.00	4278880.00	6.11282	628320.00
4278900.00	2.48255		
628340.00	4278900.00	2.69570	628360.00
4278900.00	2.94120		
628380.00	4278900.00	3.22038	628400.00
4278900.00	3.53807		
628420.00	4278900.00	3.91406	628440.00
4278900.00	4.36618		

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628460.00	4278900.00	4.92095	628480.00
4278900.00	5.63864		
629760.00	4278900.00	3.93090	628320.00
4278920.00	2.55997		
628340.00	4278920.00	2.79593	628360.00
4278920.00	3.06222		

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **

*** 17:40:15

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

VALUES FOR SOURCE GROUP: ALL
 *** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION

 INCLUDING SOURCE(S): C_INV , C_CNU

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
628380.00	4278920.00	3.35929	628400.00
4278920.00	3.70230		
628420.00	4278920.00	4.11364	628440.00
4278920.00	4.60224		
628460.00	4278920.00	5.23475	629740.00
4278920.00	4.15484		
629760.00	4278920.00	3.93989	628320.00
4278940.00	2.65647		
628340.00	4278940.00	2.92017	628360.00
4278940.00	3.20782		
628380.00	4278940.00	3.52276	628400.00
4278940.00	3.89470		
628420.00	4278940.00	4.33712	628440.00
4278940.00	4.88043		
628460.00	4278940.00	5.61629	629740.00
4278940.00	4.16882		
629760.00	4278940.00	3.94291	628100.00
4278960.00	1.30675		

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628120.00	4278960.00	1.37356	628320.00
4278960.00	2.78604		
628340.00	4278960.00	3.08165	628360.00
4278960.00	3.38828		
628380.00	4278960.00	3.72587	628400.00
4278960.00	4.12005		
628420.00	4278960.00	4.59574	628440.00
4278960.00	5.21403		
629720.00	4278960.00	4.42328	629740.00
4278960.00	4.18598		
629760.00	4278960.00	3.95922	628100.00
4278980.00	1.32126		
628120.00	4278980.00	1.38998	628140.00
4278980.00	1.46529		
628160.00	4278980.00	1.54869	628180.00
4278980.00	1.64159		
628300.00	4278980.00	2.61183	628320.00
4278980.00	2.96223		
628340.00	4278980.00	3.28987	628360.00
4278980.00	3.61143		
628380.00	4278980.00	3.96765	628400.00
4278980.00	4.38572		
628420.00	4278980.00	4.91329	628440.00
4278980.00	5.61014		
629720.00	4278980.00	4.43411	629740.00
4278980.00	4.19092		
629760.00	4278980.00	3.96032	628100.00
4279000.00	1.33762		
628120.00	4279000.00	1.40814	628140.00
4279000.00	1.48584		
628160.00	4279000.00	1.57231	628180.00
4279000.00	1.66865		
628200.00	4279000.00	1.77694	628220.00
4279000.00	1.90121		
628240.00	4279000.00	2.04656	628320.00
4279000.00	3.08832		
628340.00	4279000.00	3.47961	628360.00
4279000.00	3.84718		
628380.00	4279000.00	4.23717	628400.00
4279000.00	4.69015		
628420.00	4279000.00	5.26734	628440.00
4279000.00	6.05045		
629700.00	4279000.00	4.74958	629720.00
4279000.00	4.46263		
629740.00	4279000.00	4.19565	629760.00
4279000.00	3.96559		
629780.00	4279000.00	3.76274	628100.00
4279020.00	1.35545		

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628120.00	4279020.00	1.42818	628140.00
4279020.00	1.50825		
628160.00	4279020.00	1.59796	628180.00
4279020.00	1.69800		
628200.00	4279020.00	1.81111	628220.00
4279020.00	1.94049		
628240.00	4279020.00	2.09571	628400.00
4279020.00	4.93668		
628420.00	4279020.00	5.62306	628440.00
4279020.00	6.55858		
629680.00	4279020.00	5.09056	629700.00
4279020.00	4.76905		
629720.00	4279020.00	4.47703	629740.00
4279020.00	4.21462		

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **
*** 17:40:15

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION

INCLUDING SOURCE(S): C_INV , C_CNU

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629760.00	4279020.00	3.96932	629780.00
4279020.00	3.77523		
628100.00	4279040.00	1.37468	628120.00
4279040.00	1.44961		
628140.00	4279040.00	1.53227	628160.00
4279040.00	1.62538		
628180.00	4279040.00	1.72942	628200.00
4279040.00	1.84725		
628220.00	4279040.00	1.98320	628240.00
4279040.00	2.14926		

Natomas_CSTN_062921

629680.00	4279040.00	5.13207	629700.00
4279040.00	4.77992		
629720.00	4279040.00	4.47840	629740.00
4279040.00	4.20930		
629760.00	4279040.00	3.98661	629780.00
4279040.00	3.78506		
628100.00	4279060.00	1.39515	628120.00
4279060.00	1.47236		
628140.00	4279060.00	1.55839	628160.00
4279060.00	1.65420		
628180.00	4279060.00	1.76214	628200.00
4279060.00	1.88571		
628220.00	4279060.00	2.02911	628240.00
4279060.00	2.20393		
629660.00	4279060.00	5.53691	629680.00
4279060.00	5.14677		
629700.00	4279060.00	4.80610	629720.00
4279060.00	4.50421		
629740.00	4279060.00	4.22740	629760.00
4279060.00	3.97440		
629780.00	4279060.00	3.76631	628100.00
4279080.00	1.41696		
628120.00	4279080.00	1.49729	628140.00
4279080.00	1.58620		
628160.00	4279080.00	1.68529	628180.00
4279080.00	1.79789		
628200.00	4279080.00	1.92599	628220.00
4279080.00	2.07600		
628300.00	4279080.00	3.05770	628320.00
4279080.00	3.47100		
628340.00	4279080.00	3.95309	628360.00
4279080.00	4.48049		
629640.00	4279080.00	5.99484	629660.00
4279080.00	5.55430		
629680.00	4279080.00	5.16341	629700.00
4279080.00	4.83338		
629720.00	4279080.00	4.50655	628100.00
4279100.00	1.44061		
628120.00	4279100.00	1.52339	628140.00
4279100.00	1.61542		
628160.00	4279100.00	1.71850	628180.00
4279100.00	1.83472		
628200.00	4279100.00	1.96769	628220.00
4279100.00	2.12227		
628300.00	4279100.00	3.07680	628320.00
4279100.00	3.45329		
628340.00	4279100.00	3.89930	628360.00
4279100.00	4.41201		

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629620.00	4279100.00	6.48922	629640.00
4279100.00	6.00657		
629660.00	4279100.00	5.56207	629680.00
4279100.00	5.18563		
629700.00	4279100.00	4.84939	628080.00
4279120.00	1.38765		
628100.00	4279120.00	1.46563	628120.00
4279120.00	1.55148		
628140.00	4279120.00	1.64662	628160.00
4279120.00	1.75306		
628180.00	4279120.00	1.87331	628200.00
4279120.00	2.00941		
628220.00	4279120.00	2.16783	628300.00
4279120.00	3.10511		
628320.00	4279120.00	3.45878	628340.00
4279120.00	3.88121		
628360.00	4279120.00	4.38086	629600.00
4279120.00	7.01053		
629620.00	4279120.00	6.49103	629640.00
4279120.00	6.01305		
629660.00	4279120.00	5.56743	629680.00
4279120.00	5.20053		

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **
*** 17:40:15

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): C_INV , C_CNU

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629700.00	4279120.00	4.86007	628080.00
4279140.00	1.41206		

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628100.00	4279140.00	1.49204	628120.00
4279140.00	1.58027		
628140.00	4279140.00	1.67850	628160.00
4279140.00	1.78827		
628180.00	4279140.00	1.91151	628200.00
4279140.00	2.05131		
628220.00	4279140.00	2.21231	628300.00
4279140.00	3.13832		
628320.00	4279140.00	3.48001	628340.00
4279140.00	3.88862		
628360.00	4279140.00	4.37965	629580.00
4279140.00	7.60442		
629600.00	4279140.00	7.02928	629620.00
4279140.00	6.48448		
629640.00	4279140.00	6.00725	629660.00
4279140.00	5.58209		
629680.00	4279140.00	5.21241	629700.00
4279140.00	4.86399		
628060.00	4279160.00	1.36159	628080.00
4279160.00	1.43641		
628100.00	4279160.00	1.51878	628120.00
4279160.00	1.60955		
628140.00	4279160.00	1.71051	628160.00
4279160.00	1.82299		
628180.00	4279160.00	1.94887	628200.00
4279160.00	2.09157		
628220.00	4279160.00	2.25416	629580.00
4279160.00	7.58837		
629600.00	4279160.00	6.99941	629620.00
4279160.00	6.47684		
629640.00	4279160.00	6.00979	629660.00
4279160.00	5.59156		
629680.00	4279160.00	5.21298	628060.00
4279180.00	1.38488		
628080.00	4279180.00	1.46164	628100.00
4279180.00	1.54614		
628120.00	4279180.00	1.63929	628140.00
4279180.00	1.74225		
628160.00	4279180.00	1.85704	628180.00
4279180.00	1.98549		
628200.00	4279180.00	2.13012	628220.00
4279180.00	2.29366		
628060.00	4279200.00	1.40841	628080.00
4279200.00	1.48707		
628100.00	4279200.00	1.57346	628120.00
4279200.00	1.66849		
628140.00	4279200.00	1.77348	628160.00
4279200.00	1.89022		

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628180.00	4279200.00	2.02021	628200.00
4279200.00	2.16625		
628220.00	4279200.00	2.33066	628040.00
4279220.00	1.35839		
628060.00	4279220.00	1.43200	628080.00
4279220.00	1.51230		
628100.00	4279220.00	1.60034	628120.00
4279220.00	1.69694		
628140.00	4279220.00	1.80347	628160.00
4279220.00	1.92167		
628180.00	4279220.00	2.05322	628200.00
4279220.00	2.20034		
628220.00	4279220.00	2.36503	628240.00
4279220.00	2.55338		
628040.00	4279240.00	1.37985	628060.00
4279240.00	1.45510		
628080.00	4279240.00	1.53678	628100.00
4279240.00	1.62612		
628120.00	4279240.00	1.72431	628140.00
4279240.00	1.83197		
628160.00	4279240.00	1.95152	628180.00
4279240.00	2.08406		
628200.00	4279240.00	2.23154	628220.00
4279240.00	2.39599		
628240.00	4279240.00	2.58222	629560.00
4279240.00	7.93159		
628040.00	4279260.00	1.40154	628060.00
4279260.00	1.47742		
628080.00	4279260.00	1.56036	628100.00
4279260.00	1.65084		

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***

*** 17:40:15

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION ***

INCLUDING SOURCE(S): C_INV , C_CNU

,
*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

Natomas_CSTN_062921

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
4279260.00	628120.00	4279260.00	1.75006	628140.00
4279260.00	628160.00	4279260.00	1.85883	628180.00
4279260.00	628200.00	4279260.00	1.97898	628220.00
4279260.00	628240.00	4279260.00	2.11207	628220.00
4279260.00	628240.00	4279260.00	2.25962	628220.00
4279260.00	628240.00	4279260.00	2.42369	628220.00
4279260.00	628240.00	4279260.00	2.60869	629540.00
4279260.00	629560.00	4279260.00	8.50986	629580.00
4279260.00	629560.00	4279260.00	7.86355	629580.00
4279280.00	629600.00	4279260.00	7.28192	628080.00
4279280.00	629600.00	4279260.00	6.76444	628080.00
4279280.00	628100.00	4279280.00	1.58225	628120.00
4279280.00	628100.00	4279280.00	1.67391	628120.00
4279280.00	628140.00	4279280.00	1.77396	628160.00
4279280.00	628140.00	4279280.00	1.88383	628160.00
4279280.00	628180.00	4279280.00	2.00427	628200.00
4279280.00	628180.00	4279280.00	2.13731	628200.00
4279280.00	628220.00	4279280.00	2.28428	628200.00
4279280.00	628220.00	4279280.00	2.44933	629520.00
4279280.00	629540.00	4279280.00	8.97155	629560.00
4279280.00	629540.00	4279280.00	8.35143	629560.00
4279280.00	629580.00	4279280.00	7.74764	629600.00
4279280.00	629580.00	4279280.00	7.20914	629600.00
4279280.00	629620.00	4279280.00	6.72113	629640.00
4279280.00	629620.00	4279280.00	6.27574	629640.00
4279300.00	629520.00	4279300.00	5.86797	629540.00
4279300.00	629520.00	4279300.00	8.77385	629540.00
4279300.00	629560.00	4279300.00	8.19820	629580.00
4279300.00	629560.00	4279300.00	7.63695	629580.00
4279300.00	629600.00	4279300.00	7.13264	629620.00
4279300.00	629600.00	4279300.00	6.66648	629620.00
4279300.00	629640.00	4279300.00	6.23899	629660.00
4279300.00	629640.00	4279300.00	5.84790	629660.00
4279320.00	629520.00	4279320.00	5.48600	629540.00
4279320.00	629520.00	4279320.00	8.57536	629540.00
4279320.00	629560.00	4279320.00	8.04327	629580.00
4279320.00	629560.00	4279320.00	7.53436	629580.00
4279320.00	629600.00	4279320.00	7.05636	629620.00
4279320.00	629600.00	4279320.00	6.59408	629620.00
4279320.00	629640.00	4279320.00	6.18556	629660.00
4279320.00	629640.00	4279320.00	5.81225	629660.00
4279320.00	629640.00	4279320.00	5.46017	629660.00

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629680.00	4279320.00	5.15045	629700.00
4279320.00	4.85213		
629520.00	4279340.00	8.40382	629540.00
4279340.00	7.89651		
629560.00	4279340.00	7.41933	629580.00
4279340.00	6.95820		
629600.00	4279340.00	6.53520	629620.00
4279340.00	6.13725		
629640.00	4279340.00	5.77005	629660.00
4279340.00	5.43589		
629680.00	4279340.00	5.13118	629700.00
4279340.00	4.84332		
629720.00	4279340.00	4.57522	629740.00
4279340.00	4.32877		
629760.00	4279340.00	4.10082	629520.00
4279360.00	8.23822		
629540.00	4279360.00	7.75178	629560.00
4279360.00	7.30072		
629580.00	4279360.00	6.86311	629600.00
4279360.00	6.46716		
629620.00	4279360.00	6.09236	629640.00
4279360.00	5.73949		
629660.00	4279360.00	5.40845	629680.00
4279360.00	5.10527		
629700.00	4279360.00	4.82627	629720.00
4279360.00	4.56557		
629740.00	4279360.00	4.32451	629760.00
4279360.00	4.10057		
629520.00	4279380.00	8.07736	629540.00
4279380.00	7.61623		
629560.00	4279380.00	7.18754	629580.00
4279380.00	6.77544		
629600.00	4279380.00	6.39583	629620.00
4279380.00	6.03515		
629640.00	4279380.00	5.69534	629660.00
4279380.00	5.37864		
629680.00	4279380.00	5.08219	629700.00
4279380.00	4.80849		

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **

*** 17:40:15

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION

Natomas_CSTN_062921

VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): C_INV , C_CNU

,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629720.00	4279380.00	4.54890	629740.00
4279380.00	4.31569		
629520.00	4279400.00	7.92252	629540.00
4279400.00	7.48856		
629560.00	4279400.00	7.07860	629580.00
4279400.00	6.68272		
629600.00	4279400.00	6.32241	629620.00
4279400.00	5.97829		
629640.00	4279400.00	5.65206	629660.00
4279400.00	5.34552		
629680.00	4279400.00	5.05349	629700.00
4279400.00	4.79079		
629720.00	4279400.00	4.53770	629040.00
4279420.00	21.92427		
629060.00	4279420.00	21.70041	629520.00
4279420.00	7.77067		
629540.00	4279420.00	7.36416	629560.00
4279420.00	6.97238		
629580.00	4279420.00	6.59692	629600.00
4279420.00	6.25115		
629620.00	4279420.00	5.92031	629640.00
4279420.00	5.60437		
629660.00	4279420.00	5.30744	629680.00
4279420.00	5.02598		
629700.00	4279420.00	4.76940	629040.00
4279440.00	20.14746		
629060.00	4279440.00	20.18379	629580.00
4279440.00	6.50959		
629600.00	4279440.00	6.17224	629620.00
4279440.00	5.85638		
629640.00	4279440.00	5.55022	629660.00
4279440.00	5.26609		
629680.00	4279440.00	4.99049	629580.00
4279460.00	6.42176		

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629600.00	4279460.00	6.10212	629620.00
4279460.00	5.79385		
629640.00	4279460.00	5.50503	629660.00
4279460.00	5.22711		
629140.00	4279680.00	9.84765	629160.00
4279680.00	9.86804		
629180.00	4279680.00	9.72573	629200.00
4279680.00	9.52107		
629140.00	4279700.00	9.29171	629160.00
4279700.00	9.30005		
629180.00	4279700.00	9.22223	629200.00
4279700.00	9.08298		
629220.00	4279700.00	8.92098	629240.00
4279700.00	8.74778		
629260.00	4279700.00	8.57261	629280.00
4279700.00	8.39035		
629300.00	4279700.00	8.20617	629320.00
4279700.00	8.01843		
629340.00	4279700.00	7.82552	629360.00
4279700.00	7.62582		
629380.00	4279700.00	7.41987	629400.00
4279700.00	7.20897		
629420.00	4279700.00	7.00646	629140.00
4279720.00	8.81972		
629160.00	4279720.00	8.81732	629180.00
4279720.00	8.76780		
629200.00	4279720.00	8.67263	629220.00
4279720.00	8.55008		
629240.00	4279720.00	8.40821	629260.00
4279720.00	8.25597		
629280.00	4279720.00	8.09511	629300.00
4279720.00	7.92241		
629320.00	4279720.00	7.75295	629340.00
4279720.00	7.57974		
629360.00	4279720.00	7.40035	629380.00
4279720.00	7.21382		
629400.00	4279720.00	7.01964	629420.00
4279720.00	6.82526		
629140.00	4279740.00	8.40569	629160.00
4279740.00	8.39745		
629180.00	4279740.00	8.36222	629200.00
4279740.00	8.29102		
629220.00	4279740.00	8.19268	629240.00
4279740.00	8.07991		
629260.00	4279740.00	7.94707	629280.00
4279740.00	7.80446		

▲ *** AERMOD - VERSION 21112 *** ***

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Natomas_CSTN_062921

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*** AERMET - VERSION 19191 ***
 *** 17:40:15

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): C_INV , C_CNU

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629300.00	4279740.00	7.65473	629320.00
4279740.00	7.50537		
629340.00	4279740.00	7.34682	629360.00
4279740.00	7.18228		
629380.00	4279740.00	7.01116	629400.00
4279740.00	6.83340		
629420.00	4279740.00	6.65272	628920.00
4279760.00	7.56449		
628940.00	4279760.00	7.65069	628960.00
4279760.00	7.73116		
628980.00	4279760.00	7.80304	629000.00
4279760.00	7.86651		
629020.00	4279760.00	7.92136	629040.00
4279760.00	7.96761		
629060.00	4279760.00	8.00298	629080.00
4279760.00	8.02566		
629100.00	4279760.00	8.03562	629120.00
4279760.00	8.03923		
629140.00	4279760.00	8.03554	629160.00
4279760.00	8.03676		
629180.00	4279760.00	8.00266	629200.00
4279760.00	7.94410		
629220.00	4279760.00	7.86866	629240.00
4279760.00	7.77344		
629260.00	4279760.00	7.65980	629280.00
4279760.00	7.53386		

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629300.00	4279760.00	7.40541	629320.00
4279760.00	7.26981		
629340.00	4279760.00	7.12468	629360.00
4279760.00	6.97217		
629380.00	4279760.00	6.81425	629400.00
4279760.00	6.65167		
629420.00	4279760.00	6.48481	628920.00
4279780.00	7.25307		
628940.00	4279780.00	7.33614	628960.00
4279780.00	7.41133		
628980.00	4279780.00	7.47965	629000.00
4279780.00	7.54009		
629020.00	4279780.00	7.59217	629040.00
4279780.00	7.63513		
629060.00	4279780.00	7.66729	629080.00
4279780.00	7.68821		
629100.00	4279780.00	7.70022	629120.00
4279780.00	7.70493		
629140.00	4279780.00	7.70187	629160.00
4279780.00	7.69894		
629180.00	4279780.00	7.67095	629200.00
4279780.00	7.62752		
629220.00	4279780.00	7.56214	629240.00
4279780.00	7.48056		
629260.00	4279780.00	7.38771	629280.00
4279780.00	7.28173		
629300.00	4279780.00	7.16655	629320.00
4279780.00	7.04339		
629340.00	4279780.00	6.90925	629360.00
4279780.00	6.76894		
629380.00	4279780.00	6.62423	629400.00
4279780.00	6.47541		
628920.00	4279800.00	6.96047	628940.00
4279800.00	7.03892		
628960.00	4279800.00	7.11098	628980.00
4279800.00	7.17622		
629000.00	4279800.00	7.23324	629020.00
4279800.00	7.28216		
629040.00	4279800.00	7.32343	629060.00
4279800.00	7.35390		
629080.00	4279800.00	7.37417	629100.00
4279800.00	7.38719		
629120.00	4279800.00	7.39335	629140.00
4279800.00	7.39189		
629160.00	4279800.00	7.38883	629180.00
4279800.00	7.36562		
629200.00	4279800.00	7.32828	629220.00
4279800.00	7.27413		

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629240.00	4279800.00	7.20446	629260.00
4279800.00	7.12801		
629280.00	4279800.00	7.03613	629300.00
4279800.00	6.93423		
629320.00	4279800.00	6.82336	629340.00
4279800.00	6.70193		

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **
*** 17:40:15

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): C_INV , C_CNU
,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629360.00	4279800.00	6.57184	629380.00
4279800.00	6.44126		
628920.00	4279820.00	6.68374	628940.00
4279820.00	6.75925		
628960.00	4279820.00	6.82871	628980.00
4279820.00	6.89096		
629000.00	4279820.00	6.94480	629020.00
4279820.00	6.99098		
629040.00	4279820.00	7.02818	629060.00
4279820.00	7.06103		
629080.00	4279820.00	7.08191	629100.00
4279820.00	7.09587		
629120.00	4279820.00	7.10232	629140.00
4279820.00	7.10217		
629160.00	4279820.00	7.10154	629180.00
4279820.00	7.08215		
629200.00	4279820.00	7.05178	629220.00
4279820.00	7.00745		

Natomas_CSTN_062921

629240.00	4279820.00	6.95054	629260.00
4279820.00	6.88410		
629280.00	4279820.00	6.80456	629300.00
4279820.00	6.71415		
629320.00	4279820.00	6.61406	629340.00
4279820.00	6.50361		
629360.00	4279820.00	6.38672	628920.00
4279840.00	6.42370		
628940.00	4279840.00	6.49621	628960.00
4279840.00	6.56282		
628980.00	4279840.00	6.62294	629000.00
4279840.00	6.67557		
629020.00	4279840.00	6.72090	629040.00
4279840.00	6.75767		
629060.00	4279840.00	6.78481	629080.00
4279840.00	6.80718		
629100.00	4279840.00	6.82075	629120.00
4279840.00	6.82984		
629140.00	4279840.00	6.83334	629160.00
4279840.00	6.83264		
629180.00	4279840.00	6.81802	629200.00
4279840.00	6.79507		
629220.00	4279840.00	6.75884	629240.00
4279840.00	6.71059		
629260.00	4279840.00	6.65321	629280.00
4279840.00	6.58242		
629300.00	4279840.00	6.50287	629320.00
4279840.00	6.41380		
629340.00	4279840.00	6.31552	629360.00
4279840.00	6.20987		
628920.00	4279860.00	6.17819	628940.00
4279860.00	6.24801		
628960.00	4279860.00	6.31029	628980.00
4279860.00	6.36950		
629000.00	4279860.00	6.42023	629020.00
4279860.00	6.46378		
629040.00	4279860.00	6.50000	629060.00
4279860.00	6.52886		
629080.00	4279860.00	6.55138	629100.00
4279860.00	6.56550		
629120.00	4279860.00	6.57642	629140.00
4279860.00	6.57975		
629160.00	4279860.00	6.57699	629180.00
4279860.00	6.56763		
629200.00	4279860.00	6.54718	629220.00
4279860.00	6.52347		
629240.00	4279860.00	6.48458	629260.00
4279860.00	6.43306		

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629280.00	4279860.00	6.36937	629300.00
4279860.00	6.29903		
629320.00	4279860.00	6.22058	629340.00
4279860.00	6.13410		
628920.00	4279880.00	5.94654	628940.00
4279880.00	6.01358		
628960.00	4279880.00	6.07221	628980.00
4279880.00	6.13005		
629000.00	4279880.00	6.17946	629020.00
4279880.00	6.22169		
629040.00	4279880.00	6.25735	629060.00
4279880.00	6.28698		
629080.00	4279880.00	6.31012	629100.00
4279880.00	6.32471		

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **
*** 17:40:15

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE PERIOD (43680 HRS) AVERAGE CONCENTRATION

INCLUDING SOURCE(S): C_INV , C_CNU

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
629120.00	4279880.00	6.33856	629140.00
4279880.00	6.34509		
629160.00	4279880.00	6.34385	629180.00
4279880.00	6.33731		
629200.00	4279880.00	6.32438	629220.00
4279880.00	6.30131		
629240.00	4279880.00	6.26831	629260.00
4279880.00	6.22370		
629280.00	4279880.00	6.16804	629300.00
4279880.00	6.10575		

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629320.00	4279880.00	6.03583	628920.00
4279900.00	5.72698		
628940.00	4279900.00	5.79165	628960.00
4279900.00	5.84813		
628980.00	4279900.00	5.90334	629000.00
4279900.00	5.95201		
629020.00	4279900.00	5.99338	629040.00
4279900.00	6.02877		
629060.00	4279900.00	6.05885	629080.00
4279900.00	6.08332		
629100.00	4279900.00	6.09789	629120.00
4279900.00	6.11354		
629140.00	4279900.00	6.12056	629160.00
4279900.00	6.12484		
629180.00	4279900.00	6.12210	629200.00
4279900.00	6.11181		
629220.00	4279900.00	6.09134	629240.00
4279900.00	6.06214		
629260.00	4279900.00	6.02152	629280.00
4279900.00	5.97754		
629300.00	4279900.00	5.92253	628920.00
4279920.00	5.51990		
628940.00	4279920.00	5.58151	628960.00
4279920.00	5.63900		
628980.00	4279920.00	5.69094	629000.00
4279920.00	5.73729		
629020.00	4279920.00	5.77810	629040.00
4279920.00	5.81348		
629060.00	4279920.00	5.84361	629080.00
4279920.00	5.86902		
629100.00	4279920.00	5.88537	629120.00
4279920.00	5.89976		
629140.00	4279920.00	5.91058	629160.00
4279920.00	5.91786		
629180.00	4279920.00	5.92053	629200.00
4279920.00	5.91170		
629220.00	4279920.00	5.89252	629240.00
4279920.00	5.86895		
629260.00	4279920.00	5.83524	629540.00
4278840.00	8.63407		
629540.00	4278820.00	8.48565	629560.00
4278820.00	7.64686		
629580.00	4278820.00	6.97106	629560.00
4278840.00	7.76138		

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_CNU ***
INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629540.00	4278320.00	366.85068	(18012609)	629560.00
4278320.00	370.34891	(18012609)		
629540.00	4278340.00	388.59758	(18012609)	629560.00
4278340.00	389.02458	(18012609)		
629580.00	4278340.00	387.37005	(18012609)	629520.00
4278360.00	407.35847	(18012609)		
629540.00	4278360.00	406.49535	(18012609)	629560.00
4278360.00	403.47323	(18012609)		
629580.00	4278360.00	398.29824	(18012609)	629600.00
4278360.00	391.11400	(18012609)		
629620.00	4278360.00	382.02281	(18012609)	629640.00
4278360.00	371.03620	(18012609)		
629660.00	4278360.00	358.38398	(18012609)	629680.00
4278360.00	344.31222	(18012609)		
629700.00	4278360.00	328.96920	(18012609)	629720.00
4278360.00	312.70014	(18012609)		
629520.00	4278380.00	424.35008	(18012609)	629540.00
4278380.00	419.90403	(18012609)		
629560.00	4278380.00	413.19130	(18012609)	629580.00
4278380.00	404.38681	(18012609)		
629600.00	4278380.00	393.43922	(18012609)	629620.00
4278380.00	380.71382	(18012609)		
629640.00	4278380.00	366.28561	(18012609)	629660.00
4278380.00	350.41135	(18012609)		
629680.00	4278380.00	333.37110	(18012609)	629700.00
4278380.00	315.45174	(18012609)		
629720.00	4278380.00	296.90032	(18012609)	629500.00
4278400.00	442.78234	(18012609)		
629520.00	4278400.00	436.66835	(18012609)	629540.00

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4278400.00	428.25238	(18012609)			
629560.00	4278400.00	417.66796	(18012609)		629580.00
4278400.00	404.93838	(18012609)			
629600.00	4278400.00	390.28010	(18012609)		629620.00
4278400.00	373.92357	(18012609)			
629640.00	4278400.00	356.14354	(18012609)		629660.00
4278400.00	337.24458	(18012609)			
629680.00	4278400.00	317.56147	(18012609)		629700.00
4278400.00	297.41057	(18012609)			
629720.00	4278400.00	283.68616	(16012617)		629480.00
4278420.00	461.93684	(18012609)			
629500.00	4278420.00	453.81428	(18012609)		629520.00
4278420.00	443.60428	(18012609)			
629540.00	4278420.00	431.05619	(18012609)		629560.00
4278420.00	416.43700	(18012609)			
629580.00	4278420.00	399.61556	(18012609)		629600.00
4278420.00	381.15844	(18012609)			
629620.00	4278420.00	361.32595	(18012609)		629640.00
4278420.00	340.45823	(18012609)			
629660.00	4278420.00	318.93239	(18012609)		629680.00
4278420.00	299.79929	(16012617)			
629700.00	4278420.00	291.34408	(16012617)		629720.00
4278420.00	282.15936	(16012617)			
629480.00	4278440.00	471.35573	(18012609)		629500.00
4278440.00	459.24328	(18012609)			
629520.00	4278440.00	444.65322	(18012609)		629540.00
4278440.00	427.70899	(18012609)			
629560.00	4278440.00	408.74957	(18012609)		629580.00
4278440.00	387.99021	(18012609)			
629600.00	4278440.00	365.93982	(18012609)		629620.00
4278440.00	342.97419	(18012609)			
629640.00	4278440.00	319.48820	(18012609)		629660.00
4278440.00	308.29630	(16012617)			
629680.00	4278440.00	298.19192	(16012617)		629700.00
4278440.00	287.43779	(16012617)			
629720.00	4278440.00	276.45112	(14120621)		629460.00
4278460.00	489.50936	(18012609)			
629480.00	4278460.00	475.17002	(18012609)		629500.00
4278460.00	458.27660	(18012609)			
629520.00	4278460.00	439.00110	(18012609)		629540.00
4278460.00	417.56196	(18012609)			
629560.00	4278460.00	394.35874	(18012609)		629580.00
4278460.00	369.85315	(18012609)			
629600.00	4278460.00	344.60479	(18012609)		629620.00
4278460.00	327.06314	(16012617)			
629640.00	4278460.00	315.97480	(16012617)		629660.00
4278460.00	304.11006	(16012617)			
629680.00	4278460.00	293.18154	(14120621)		629700.00

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4278460.00 283.55994 (14120621)
 629720.00 4278460.00 275.97083 (15121621) 629440.00

4278480.00 508.79639 (18012609)

▲ *** AERMOD - VERSION 21112 *** **

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: C_CNU ***
 INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
629460.00	4278480.00	491.22224 (18012609)	629480.00
4278480.00	471.97875 (18012609)		
629500.00	4278480.00	450.16819 (18012609)	629520.00
4278480.00	426.00464 (18012609)		
629540.00	4278480.00	400.07326 (18012609)	629560.00
4278480.00	372.99148 (18012609)		
629580.00	4278480.00	347.97237 (16012617)	629600.00
4278480.00	335.72124 (16012617)		
629620.00	4278480.00	322.64482 (16012617)	629640.00
4278480.00	311.74689 (14120621)		
629660.00	4278480.00	300.85241 (14120621)	629680.00
4278480.00	293.50223 (15121621)		
629700.00	4278480.00	286.01183 (15121621)	629720.00
4278480.00	278.18873 (15121621)		
629440.00	4278500.00	508.50822 (18012609)	629460.00
4278500.00	485.99783 (18012609)		
629480.00	4278500.00	461.20554 (18012609)	629500.00
4278500.00	434.00830 (18012609)		
629520.00	4278500.00	405.10379 (18012609)	629540.00
4278500.00	375.17089 (18012609)		
629560.00	4278500.00	357.85760 (16012617)	629580.00
4278500.00	344.35253 (14120621)		

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629600.00	4278500.00	332.44647	(14120621)	629620.00
4278500.00	321.21642	(15121621)		
629640.00	4278500.00	312.87934	(15121621)	629660.00
4278500.00	304.09011	(15121621)		
629680.00	4278500.00	294.98253	(15121621)	629700.00
4278500.00	285.62820	(15121621)		
629720.00	4278500.00	276.87461	(15011022)	629420.00
4278520.00	526.42419	(18012609)		
629440.00	4278520.00	500.07189	(18012609)	629460.00
4278520.00	471.81752	(18012609)		
629480.00	4278520.00	441.41755	(18012609)	629500.00
4278520.00	409.20587	(18012609)		
629520.00	4278520.00	382.79317	(16012617)	629540.00
4278520.00	369.30203	(14120621)		
629560.00	4278520.00	355.69616	(14120621)	629580.00
4278520.00	344.15028	(15121621)		
629600.00	4278520.00	334.29316	(15121621)	629620.00
4278520.00	324.02734	(15121621)		
629640.00	4278520.00	313.42845	(15121621)	629660.00
4278520.00	302.89274	(15011022)		
629680.00	4278520.00	296.45076	(15011022)	629700.00
4278520.00	289.78408	(15011022)		
629720.00	4278520.00	282.93043	(15011022)	629420.00
4278540.00	516.11437	(18012609)		
629440.00	4278540.00	482.89387	(18012609)	629460.00
4278540.00	448.33309	(18012609)		
629480.00	4278540.00	412.44547	(14120621)	629500.00
4278540.00	397.59876	(14120621)		
629520.00	4278540.00	381.99499	(14120621)	629540.00
4278540.00	369.86441	(15121621)		
629560.00	4278540.00	358.19816	(15121621)	629580.00
4278540.00	346.09440	(15121621)		
629600.00	4278540.00	333.72881	(15121621)	629620.00
4278540.00	325.75378	(15011022)		
629640.00	4278540.00	317.82836	(15011022)	629660.00
4278540.00	309.68620	(15011022)		
629680.00	4278540.00	302.23276	(17012920)	629700.00
4278540.00	294.89385	(17012920)		
629720.00	4278540.00	287.43968	(17012920)	629460.00
4278560.00	430.22330	(14120621)		
629480.00	4278560.00	412.13710	(15121621)	629500.00
4278560.00	398.92125	(15121621)		
629520.00	4278560.00	385.08420	(15121621)	629540.00
4278560.00	370.80882	(15121621)		
629560.00	4278560.00	360.49720	(15011022)	629580.00
4278560.00	350.94446	(15011022)		
629600.00	4278560.00	341.16609	(15011022)	629620.00
4278560.00	332.36856	(17012920)		

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629640.00	4278560.00	323.50281	(17012920)	629660.00
4278560.00	314.53990	(17012920)		
629680.00	4278560.00	307.12803	(15020408)	629700.00
4278560.00	301.02065	(15020408)		
629720.00	4278560.00	294.84738	(15020408)	629480.00
4278580.00	415.71076	(15121621)		
629500.00	4278580.00	402.28416	(15011022)	629520.00
4278580.00	390.66486	(15011022)		
629540.00	4278580.00	378.82315	(17012920)	629560.00
4278580.00	368.09608	(17012920)		

▲ *** AERMOD - VERSION 21112 *** ***
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*** AERMET - VERSION 19191 *** ***
 *** 17:40:15

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: C_CNU ***
 INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629580.00	4278580.00	357.23909	(17012920)	629600.00
4278580.00	346.68726	(15020408)		
629620.00	4278580.00	339.11259	(15020408)	629640.00
4278580.00	331.44851	(15020408)		
629660.00	4278580.00	323.69973	(15020408)	629680.00
4278580.00	315.93959	(15020408)		
629700.00	4278580.00	308.16282	(15020408)	629720.00
4278580.00	300.44543	(15020408)		
629520.00	4278600.00	397.83502	(17012920)	629540.00
4278600.00	386.66875	(15020408)		
629560.00	4278600.00	376.87543	(15020408)	629580.00
4278600.00	367.02637	(15020408)		
629600.00	4278600.00	357.26994	(15020408)	629620.00
4278600.00	347.52947	(15020408)		
629640.00	4278600.00	337.91454	(15020408)	629660.00

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4278600.00	328.40391	(15020408)			
	629680.00	4278600.00	318.99950	(15020408)	629700.00
4278600.00	309.77296	(15020408)			
	629720.00	4278600.00	300.72909	(15020408)	629620.00
4278620.00	349.05725	(15020408)			
	629640.00	4278620.00	337.77528	(15020408)	629660.00
4278620.00	326.76135	(15020408)			
	629680.00	4278620.00	316.05249	(15020408)	629700.00
4278620.00	305.66414	(15020408)			
	629720.00	4278620.00	295.58860	(15020408)	629000.00
4278200.00	419.82378	(15010209)			
	629020.00	4278200.00	420.67258	(15010209)	629040.00
4278200.00	414.89584	(15010209)			
	629060.00	4278200.00	403.80409	(15010209)	629060.00
4278220.00	414.62373	(15010209)			
	629080.00	4278220.00	397.13952	(14112608)	629100.00
4278220.00	404.30559	(14112608)			
	629120.00	4278220.00	435.05500	(14011009)	629140.00
4278220.00	464.09995	(14011009)			
	629160.00	4278220.00	486.24320	(14011009)	629180.00
4278220.00	500.61079	(14011009)			
	629100.00	4278240.00	436.71624	(14011009)	629120.00
4278240.00	468.59246	(14011009)			
	629140.00	4278240.00	493.94299	(14011009)	629160.00
4278240.00	511.87247	(14011009)			
	629180.00	4278240.00	522.70946	(14011009)	629200.00
4278240.00	525.84302	(14011009)			
	629220.00	4278240.00	523.03812	(14011009)	629240.00
4278240.00	513.79214	(14011009)			
	629260.00	4278240.00	499.54113	(14011009)	629280.00
4278240.00	479.75691	(14011009)			
	629300.00	4278240.00	454.91535	(14011009)	629320.00
4278240.00	427.43371	(14011009)			
	629140.00	4278260.00	524.65754	(14011009)	629160.00
4278260.00	537.96721	(14011009)			
	629180.00	4278260.00	544.08119	(14011009)	629200.00
4278260.00	543.28779	(14011009)			
	629220.00	4278260.00	535.85297	(14011009)	629240.00
4278260.00	522.61984	(14011009)			
	629260.00	4278260.00	504.27592	(14011009)	629280.00
4278260.00	480.85381	(14011009)			
	629300.00	4278260.00	452.62314	(14011009)	629320.00
4278260.00	421.78171	(14011009)			
	629340.00	4278260.00	386.59216	(14011009)	629360.00
4278260.00	389.58015	(16010409)			
	629380.00	4278260.00	400.96663	(16010409)	629400.00
4278260.00	408.86790	(16010409)			
	629420.00	4278260.00	413.37852	(16010409)	629440.00

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4278260.00	414.43079	(16010409)			
629460.00	4278260.00	412.24487	(16010409)		629160.00
4278280.00	562.66303	(14011009)			
629180.00	4278280.00	563.47339	(14011009)		629200.00
4278280.00	558.89438	(14011009)			
629220.00	4278280.00	547.78566	(14011009)		629240.00
4278280.00	530.54783	(14011009)			
629260.00	4278280.00	508.18488	(14011009)		629280.00
4278280.00	480.93069	(14011009)			
629300.00	4278280.00	449.02797	(14011009)		629320.00
4278280.00	414.43393	(14011009)			
629340.00	4278280.00	406.13730	(16010409)		629360.00
4278280.00	417.35454	(16010409)			
629380.00	4278280.00	425.20450	(16010409)		629400.00
4278280.00	429.50220	(16010409)			
629420.00	4278280.00	430.06978	(16010409)		629440.00
4278280.00	427.59190	(16010409)			

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***
 *** 17:40:15

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

VALUES FOR SOURCE GROUP: C_CNU
 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 *** INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629460.00	4278280.00	421.75706	(16010409)	629480.00
4278280.00	413.07173	(16010409)		
629500.00	4278280.00	401.85147	(16010409)	629200.00
4278300.00	571.94171	(14011009)		
629220.00	4278300.00	556.44411	(14011009)	629240.00
4278300.00	535.52031	(14011009)		
629260.00	4278300.00	509.48644	(14011009)	629280.00
4278300.00	478.91173	(14011009)		

Natomas_CSTN_062921

629300.00	4278300.00	443.08294	(14011009)	629320.00
4278300.00	423.64643	(16010409)		
629340.00	4278300.00	435.21007	(16010409)	629360.00
4278300.00	442.75955	(16010409)		
629380.00	4278300.00	446.49604	(16010409)	629400.00
4278300.00	446.85531	(16010409)		
629420.00	4278300.00	443.81158	(16010409)	629440.00
4278300.00	437.23205	(16010409)		
629460.00	4278300.00	428.13779	(16010409)	629480.00
4278300.00	415.71017	(16010409)		
629500.00	4278300.00	400.26710	(16010409)	629520.00
4278300.00	382.61571	(16010409)		
629220.00	4278320.00	563.95823	(14011009)	629240.00
4278320.00	538.65892	(14011009)		
629260.00	4278320.00	509.15326	(14011009)	629280.00
4278320.00	474.92097	(14011009)		
629300.00	4278320.00	442.27464	(16010409)	629320.00
4278320.00	453.89757	(16010409)		
629340.00	4278320.00	461.18479	(16010409)	629360.00
4278320.00	464.45063	(16010409)		
629380.00	4278320.00	464.03998	(16010409)	629400.00
4278320.00	460.41977	(16010409)		
629420.00	4278320.00	453.75401	(16010409)	629440.00
4278320.00	443.66527	(16010409)		
629460.00	4278320.00	430.62310	(16010409)	629480.00
4278320.00	414.34194	(16010409)		
629500.00	4278320.00	395.30991	(16010409)	629520.00
4278320.00	374.40669	(16010409)		
629160.00	4278340.00	622.08243	(14011009)	629240.00
4278340.00	540.78714	(14011009)		
629260.00	4278340.00	507.01981	(14011009)	629280.00
4278340.00	469.48255	(14011009)		
629300.00	4278340.00	473.96049	(16010409)	629320.00
4278340.00	480.84120	(16010409)		
629340.00	4278340.00	483.86684	(16010409)	629360.00
4278340.00	482.44758	(16010409)		
629380.00	4278340.00	478.12589	(16010409)	629400.00
4278340.00	470.58447	(16010409)		
629420.00	4278340.00	460.11836	(16010409)	629440.00
4278340.00	446.14639	(16010409)		
629460.00	4278340.00	428.96918	(16010409)	629480.00
4278340.00	408.99639	(16010409)		
629500.00	4278340.00	386.73812	(16010409)	629140.00
4278360.00	648.35110	(14011009)		
629160.00	4278360.00	638.85183	(14011009)	629180.00
4278360.00	622.84093	(14011009)		
629260.00	4278360.00	503.55128	(14011009)	629280.00
4278360.00	496.85376	(16010409)		

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629300.00	4278360.00	502.14054	(16010409)	629320.00
4278360.00	503.90775	(16010409)		
629340.00	4278360.00	502.86741	(16010409)	629360.00
4278360.00	497.28704	(16010409)		
629380.00	4278360.00	488.89590	(16010409)	629400.00
4278360.00	477.49893	(16010409)		
629420.00	4278360.00	463.13531	(16010409)	629440.00
4278360.00	445.04327	(16010409)		
629460.00	4278360.00	423.67873	(16010409)	629480.00
4278360.00	402.40998	(18012609)		
629500.00	4278360.00	406.37340	(18012609)	629140.00
4278380.00	668.25490	(14011009)		
629160.00	4278380.00	653.88028	(14011009)	629180.00
4278380.00	633.86014	(14011009)		
629200.00	4278380.00	607.49303	(14011009)	629280.00
4278380.00	526.25619	(16010409)		
629300.00	4278380.00	526.44193	(16010409)	629320.00
4278380.00	523.77598	(16010409)		
629340.00	4278380.00	517.91416	(16010409)	629360.00
4278380.00	508.15290	(16010409)		
629380.00	4278380.00	495.81854	(16010409)	629400.00
4278380.00	480.30733	(16010409)		
629420.00	4278380.00	461.93723	(16010409)	629440.00
4278380.00	439.72562	(16010409)		

▲ *** AERMOD - VERSION 21112 *** ***

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*** 17:40:15

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_CNU ***

INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629460.00	4278380.00	425.04738	(18012609)	629480.00

Natomas_CSTN_062921

4278380.00	427.14069	(18012609)			
	629180.00	4278400.00	642.53129	(14011009)	629200.00
4278400.00	612.52858	(14011009)			
	629220.00	4278400.00	577.05548	(14011009)	629300.00
4278400.00	546.81202	(16010409)			
	629320.00	4278400.00	539.68220	(16010409)	629340.00
4278400.00	529.92988	(16010409)			
	629360.00	4278400.00	515.67268	(16010409)	629380.00
4278400.00	499.04016	(16010409)			
	629400.00	4278400.00	479.39414	(16010409)	629420.00
4278400.00	456.14954	(16010409)			
	629440.00	4278400.00	447.46559	(18012609)	629460.00
4278400.00	448.30693	(18012609)			
	629180.00	4278420.00	651.40454	(14011009)	629200.00
4278420.00	615.24535	(14011009)			
	629220.00	4278420.00	576.80689	(16010409)	629240.00
4278420.00	579.59909	(16010409)			
	629300.00	4278420.00	563.90966	(16010409)	629320.00
4278420.00	551.74136	(16010409)			
	629340.00	4278420.00	537.71522	(16010409)	629360.00
4278420.00	519.78042	(16010409)			
	629380.00	4278420.00	498.41836	(16010409)	629400.00
4278420.00	474.26469	(16010409)			
	629420.00	4278420.00	471.27649	(18012609)	629440.00
4278420.00	470.06469	(18012609)			
	629460.00	4278420.00	467.69298	(18012609)	629180.00
4278440.00	657.63782	(14011009)			
	629200.00	4278440.00	617.93658	(14011009)	629220.00
4278440.00	609.01496	(16010409)			
	629240.00	4278440.00	606.43903	(16010409)	629260.00
4278440.00	599.27917	(16010409)			
	629320.00	4278440.00	560.62741	(16010409)	629340.00
4278440.00	541.76918	(16010409)			
	629360.00	4278440.00	519.71476	(16010409)	629380.00
4278440.00	496.97633	(18012609)			
	629400.00	4278440.00	496.50440	(18012609)	629420.00
4278440.00	492.80693	(18012609)			
	629440.00	4278440.00	488.20209	(18012609)	629160.00
4278460.00	701.46651	(14011009)			
	629180.00	4278460.00	662.43200	(14011009)	629200.00
4278460.00	642.16643	(16010409)			
	629220.00	4278460.00	636.83390	(16010409)	629240.00
4278460.00	628.58657	(16010409)			
	629260.00	4278460.00	617.09494	(16010409)	629340.00
4278460.00	542.63301	(16010409)			
	629360.00	4278460.00	524.58960	(18012609)	629380.00
4278460.00	521.91405	(18012609)			
	629400.00	4278460.00	516.98994	(18012609)	629420.00

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4278460.00	509.78857	(18012609)			
629180.00	4278480.00	677.76611	(16010409)		629200.00
4278480.00	670.23959	(16010409)			
629220.00	4278480.00	659.89353	(16010409)		629240.00
4278480.00	646.86646	(16010409)			
629260.00	4278480.00	630.93813	(16010409)		629280.00
4278480.00	613.19803	(16010409)			
629360.00	4278480.00	548.99407	(18012609)		629380.00
4278480.00	541.89970	(18012609)			
629400.00	4278480.00	532.95505	(18012609)		629200.00
4278500.00	694.30471	(16010409)			
629220.00	4278500.00	679.38350	(16010409)		629240.00
4278500.00	662.12837	(16010409)			
629260.00	4278500.00	642.37371	(16010409)		629280.00
4278500.00	620.47242	(16010409)			
629300.00	4278500.00	593.40445	(16010409)		629380.00
4278500.00	557.56001	(18012609)			
629220.00	4278520.00	695.72210	(16010409)		629240.00
4278520.00	675.15951	(16010409)			
629260.00	4278520.00	651.73349	(16010409)		629280.00
4278520.00	625.29713	(18012609)			
629300.00	4278520.00	615.35562	(18012609)		629320.00
4278520.00	606.21605	(18012609)			
629340.00	4278520.00	596.68632	(18012609)		629240.00
4278540.00	685.34244	(16010409)			
629260.00	4278540.00	662.61170	(18012609)		629280.00
4278540.00	651.99874	(18012609)			
629300.00	4278540.00	637.60525	(18012609)		629320.00
4278540.00	623.75971	(18012609)			
629340.00	4278540.00	609.13679	(18012609)		629360.00
4278540.00	592.86822	(18012609)			

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **
*** 17:40:15

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_CNU ***
INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

Natomas_CSTN_062921

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629260.00	4278560.00	688.77589	(18012609)	629280.00
4278560.00	674.00591	(18012609)		
629300.00	4278560.00	655.80495	(18012609)	629320.00
4278560.00	638.13103	(18012609)		
629340.00	4278560.00	617.98004	(18012609)	629360.00
4278560.00	595.14722	(18012609)		
629280.00	4278580.00	691.23991	(18012609)	629300.00
4278580.00	670.05593	(18012609)		
629320.00	4278580.00	646.28051	(18012609)	629340.00
4278580.00	620.93481	(18012609)		
629320.00	4278600.00	649.24959	(18012609)	628480.00
4278740.00	577.06454	(17122909)		
628500.00	4278740.00	594.95621	(17122909)	628460.00
4278760.00	580.29130	(17122909)		
628480.00	4278760.00	600.78904	(17122909)	628500.00
4278760.00	622.12373	(17122909)		
628520.00	4278760.00	644.12784	(17122909)	628440.00
4278780.00	569.92659	(17122909)		
628460.00	4278780.00	594.82043	(17122909)	628480.00
4278780.00	621.40239	(17122909)		
628500.00	4278780.00	647.52556	(17122909)	628520.00
4278780.00	675.33878	(17122909)		
628540.00	4278780.00	705.25888	(17122909)	628420.00
4278800.00	539.56540	(17122909)		
628440.00	4278800.00	567.52512	(17122909)	628460.00
4278800.00	597.97375	(17122909)		
628480.00	4278800.00	629.36640	(17122909)	628500.00
4278800.00	664.53442	(17122909)		
628520.00	4278800.00	699.83040	(17122909)	628540.00
4278800.00	736.11157	(17122909)		
628400.00	4278820.00	488.83592	(17122909)	628420.00
4278820.00	516.64719	(17122909)		
628440.00	4278820.00	547.39526	(17122909)	628460.00
4278820.00	580.12859	(17122909)		
628480.00	4278820.00	616.42189	(17122909)	628500.00
4278820.00	658.45478	(17122909)		
628520.00	4278820.00	704.13690	(17122909)	628540.00
4278820.00	752.39836	(17122909)		
628560.00	4278820.00	806.78239	(17122909)	628380.00
4278840.00	424.87605	(17122909)		
628400.00	4278840.00	449.02279	(17122909)	628420.00
4278840.00	476.06745	(17122909)		

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628440.00	4278840.00	505.78966	(17122909)	628460.00
4278840.00	538.75238	(17122909)		
628480.00	4278840.00	577.03239	(17122909)	628500.00
4278840.00	619.94298	(17122909)		
628520.00	4278840.00	669.00381	(17122909)	628540.00
4278840.00	724.86387	(17122909)		
628560.00	4278840.00	791.52500	(17122909)	628360.00
4278860.00	375.11221	(15011909)		
628380.00	4278860.00	390.65779	(15011909)	628400.00
4278860.00	409.51620	(16022421)		
628420.00	4278860.00	432.91044	(15011009)	628440.00
4278860.00	459.03762	(15011009)		
628460.00	4278860.00	488.01360	(15011009)	628480.00
4278860.00	520.34489	(15011009)		
628500.00	4278860.00	556.71253	(15011009)	628520.00
4278860.00	598.88486	(15011009)		
628340.00	4278880.00	371.13041	(15011009)	628360.00
4278880.00	389.56467	(15011009)		
628380.00	4278880.00	409.73790	(15011009)	628400.00
4278880.00	431.38512	(15011009)		
628420.00	4278880.00	454.71676	(15011009)	628440.00
4278880.00	480.15728	(15011009)		
628460.00	4278880.00	508.49383	(15011009)	628480.00
4278880.00	538.99306	(15011009)		
628500.00	4278880.00	573.58457	(15011009)	628320.00
4278900.00	368.22885	(15011009)		
628340.00	4278900.00	384.49327	(15011009)	628360.00
4278900.00	402.16901	(15011009)		
628380.00	4278900.00	421.07069	(15011009)	628400.00
4278900.00	440.88865	(15011009)		
628420.00	4278900.00	462.20542	(15011009)	628440.00
4278900.00	484.95475	(15011009)		
628460.00	4278900.00	509.03737	(15011009)	628480.00
4278900.00	534.95354	(15011009)		
629760.00	4278900.00	276.60590	(18012817)	628320.00
4278920.00	373.26235	(15011009)		
628340.00	4278920.00	388.06091	(15011009)	628360.00
4278920.00	403.73831	(15011009)		

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: C_CNU

INCLUDING SOURCE(S): C_CNU

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
628380.00	4278920.00	419.90234	(15011009)	628400.00
4278920.00	436.76168	(15011009)		
628420.00	4278920.00	454.56358	(15011009)	628440.00
4278920.00	472.11327	(15011009)		
628460.00	4278920.00	490.96622	(15011009)	629740.00
4278920.00	287.52303	(18012817)		
629760.00	4278920.00	280.58469	(18012817)	628320.00
4278940.00	368.83495	(15011009)		
628340.00	4278940.00	381.16555	(15011009)	628360.00
4278940.00	393.88496	(15011009)		
628380.00	4278940.00	406.42065	(15011009)	628400.00
4278940.00	419.49167	(15011009)		
628420.00	4278940.00	432.34171	(15011009)	628440.00
4278940.00	445.69150	(14012019)		
628460.00	4278940.00	482.72725	(14110508)	629740.00
4278940.00	286.60586	(18012817)		
629760.00	4278940.00	280.75700	(18012817)	628100.00
4278960.00	259.67434	(15011009)		
628120.00	4278960.00	267.62261	(15011009)	628320.00
4278960.00	355.35095	(15011009)		
628340.00	4278960.00	364.56522	(15011009)	628360.00
4278960.00	373.76488	(15011009)		
628380.00	4278960.00	385.72118	(14012019)	628400.00
4278960.00	403.43652	(14012019)		
628420.00	4278960.00	424.30446	(15120617)	628440.00
4278960.00	477.96370	(14110508)		
629720.00	4278960.00	287.06435	(18012817)	629740.00
4278960.00	282.24234	(18012817)		
629760.00	4278960.00	277.46124	(18012817)	628100.00
4278980.00	259.11172	(15011009)		
628120.00	4278980.00	265.93234	(15011009)	628140.00
4278980.00	272.79797	(15011009)		
628160.00	4278980.00	279.75328	(15011009)	628180.00
4278980.00	286.75897	(15011009)		
628300.00	4278980.00	327.77139	(15011009)	628320.00

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4278980.00	339.14164	(14012019)			
628340.00	4278980.00	353.33684	(14012019)		628360.00
4278980.00	367.52076	(14012019)			
628380.00	4278980.00	385.27232	(15120617)		628400.00
4278980.00	422.81598	(14110508)			
628420.00	4278980.00	472.09640	(14110508)		628440.00
4278980.00	523.93449	(14110508)			
629720.00	4278980.00	278.88547	(18012817)		629740.00
4278980.00	275.11243	(18012817)			
629760.00	4278980.00	271.28053	(18012817)		628100.00
4279000.00	254.08908	(15011009)			
628120.00	4279000.00	259.56751	(15011009)		628140.00
4279000.00	264.98635	(15011009)			
628160.00	4279000.00	270.37602	(15011009)		628180.00
4279000.00	275.65388	(15011009)			
628200.00	4279000.00	280.79656	(15011009)		628220.00
4279000.00	285.84484	(15011009)			
628240.00	4279000.00	291.20861	(15010522)		628320.00
4279000.00	337.24186	(14012019)			
628340.00	4279000.00	352.46277	(15120617)		628360.00
4279000.00	378.10321	(14110508)			
628380.00	4279000.00	419.83423	(14110508)		628400.00
4279000.00	463.84459	(14110508)			
628420.00	4279000.00	509.87611	(14110508)		628440.00
4279000.00	556.42599	(14110508)			
629700.00	4279000.00	270.97900	(18012817)		629720.00
4279000.00	268.21825	(18012817)			
629740.00	4279000.00	265.42571	(18012817)		629760.00
4279000.00	262.43995	(18012817)			
629780.00	4279000.00	259.41406	(18012817)		628100.00
4279020.00	244.80914	(15011009)			
628120.00	4279020.00	248.83915	(15011009)		628140.00
4279020.00	252.69524	(15011009)			
628160.00	4279020.00	256.44075	(15011009)		628180.00
4279020.00	262.63458	(15010522)			
628200.00	4279020.00	271.97367	(14012019)		628220.00
4279020.00	281.67327	(14012019)			
628240.00	4279020.00	291.60529	(14012019)		628400.00
4279020.00	497.11424	(14110508)			
628420.00	4279020.00	537.63312	(14110508)		628440.00
4279020.00	578.10126	(14110508)			
629680.00	4279020.00	270.34060	(15021908)		629700.00
4279020.00	263.91498	(15021908)			
629720.00	4279020.00	257.23016	(15021908)		629740.00
4279020.00	253.53915	(18012817)			

▲ *** AERMOD - VERSION 21112 *** ***

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: C_CNU ***
 INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629760.00	4279020.00	251.06571	(18012817)	629780.00
4279020.00	249.19508	(18012817)		
628100.00	4279040.00	233.04410	(15010522)	628120.00
4279040.00	238.84823	(15010522)		
628140.00	4279040.00	246.64363	(14012019)	628160.00
4279040.00	254.97829	(14012019)		
628180.00	4279040.00	263.23099	(14012019)	628200.00
4279040.00	271.35603	(14012019)		
628220.00	4279040.00	279.64788	(14012808)	628240.00
4279040.00	288.95222	(15120617)		
629680.00	4279040.00	268.08651	(15021908)	629700.00
4279040.00	263.00321	(15021908)		
629720.00	4279040.00	257.30458	(15021908)	629740.00
4279040.00	251.15923	(15021908)		
629760.00	4279040.00	245.58949	(15021908)	629780.00
4279040.00	239.34296	(15021908)		
628100.00	4279060.00	232.45632	(14012019)	628120.00
4279060.00	239.49469	(14012019)		
628140.00	4279060.00	246.48837	(14012019)	628160.00
4279060.00	253.75072	(14012808)		
628180.00	4279060.00	261.25833	(14012808)	628200.00
4279060.00	269.03811	(15120617)		
628220.00	4279060.00	278.54459	(15120617)	628240.00
4279060.00	288.09083	(15120617)		
629660.00	4279060.00	267.91448	(15021508)	629680.00
4279060.00	263.78149	(15021908)		
629700.00	4279060.00	259.72516	(15021908)	629720.00
4279060.00	255.34261	(15021908)		

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629740.00	4279060.00	250.24041	(15021908)	629760.00
4279060.00	244.48520	(15021908)		
629780.00	4279060.00	239.42733	(15021908)	628100.00
4279080.00	231.78034	(14012808)		
628120.00	4279080.00	238.40244	(14012808)	628140.00
4279080.00	244.79097	(14012808)		
628160.00	4279080.00	251.53183	(15120617)	628180.00
4279080.00	259.73961	(15120617)		
628200.00	4279080.00	267.70561	(15120617)	628220.00
4279080.00	284.53607	(14110508)		
628300.00	4279080.00	395.73900	(14110508)	628320.00
4279080.00	425.37158	(14110508)		
628340.00	4279080.00	454.96260	(14110508)	628360.00
4279080.00	483.69657	(14110508)		
629640.00	4279080.00	272.05683	(15021508)	629660.00
4279080.00	266.79908	(15021508)		
629680.00	4279080.00	261.13808	(15021508)	629700.00
4279080.00	254.97198	(15021508)		
629720.00	4279080.00	250.61397	(15021908)	628100.00
4279100.00	229.89207	(14012808)		
628120.00	4279100.00	235.99404	(15120617)	628140.00
4279100.00	243.06674	(15120617)		
628160.00	4279100.00	249.93700	(15120617)	628180.00
4279100.00	261.80643	(14110508)		
628200.00	4279100.00	285.35853	(14110508)	628220.00
4279100.00	310.18549	(14110508)		
628300.00	4279100.00	415.03377	(14110508)	628320.00
4279100.00	441.50011	(14110508)		
628340.00	4279100.00	466.99742	(14110508)	628360.00
4279100.00	490.90789	(14110508)		
629620.00	4279100.00	288.50903	(15030408)	629640.00
4279100.00	267.79551	(15021508)		
629660.00	4279100.00	263.71594	(15021508)	629680.00
4279100.00	259.15158	(15021508)		
629700.00	4279100.00	254.19880	(15021508)	628080.00
4279120.00	221.96239	(15120617)		
628100.00	4279120.00	228.18241	(15120617)	628120.00
4279120.00	234.44330	(14011409)		
628140.00	4279120.00	244.89027	(14011409)	628160.00
4279120.00	263.34273	(14110508)		
628180.00	4279120.00	285.55928	(14110508)	628200.00
4279120.00	308.55243	(14110508)		
628220.00	4279120.00	332.47814	(14110508)	628300.00
4279120.00	428.03519	(14110508)		
628320.00	4279120.00	450.51561	(14110508)	628340.00
4279120.00	471.52156	(14110508)		
628360.00	4279120.00	490.50440	(14110508)	629600.00
4279120.00	334.40556	(15030408)		

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629620.00 4279120.00 309.06493 (15030408) 629640.00
 4279120.00 283.89051 (15030408)
 629660.00 4279120.00 259.36808 (15030408) 629680.00
 4279120.00 255.32002 (15021508)

▲ *** AERMOD - VERSION 21112 *** **

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 *** 17:40:15

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: C_CNU ***
 INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629700.00	4279120.00	251.47343	(15021508)	628080.00
4279140.00	221.38225	(14011409)		
628100.00	4279140.00	230.84308	(14011409)	628120.00
4279140.00	244.00116	(14110508)		
628140.00	4279140.00	264.08528	(14110508)	628160.00
4279140.00	284.98810	(14110508)		
628180.00	4279140.00	306.50323	(14110508)	628200.00
4279140.00	328.48386	(14110508)		
628220.00	4279140.00	350.79227	(14110508)	628300.00
4279140.00	434.78603	(14110508)		
628320.00	4279140.00	453.12316	(14110508)	628340.00
4279140.00	469.48666	(14110508)		
628360.00	4279140.00	483.42988	(14110508)	629580.00
4279140.00	373.62770	(15030408)		
629600.00	4279140.00	350.47543	(15030408)	629620.00
4279140.00	327.08787	(15030408)		
629640.00	4279140.00	303.32035	(15030408)	629660.00
4279140.00	279.61724	(15030408)		
629680.00	4279140.00	256.18050	(15030408)	629700.00
4279140.00	247.00929	(15021508)		
628060.00	4279160.00	218.12207	(14011409)	628080.00

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4279160.00	226.78399	(14110508)		
628100.00	4279160.00	245.05998	(14110508)	628120.00
4279160.00	264.03554	(14110508)		
628140.00	4279160.00	283.67733	(14110508)	628160.00
4279160.00	303.74894	(14110508)		
628180.00	4279160.00	324.04311	(14110508)	628200.00
4279160.00	344.40770	(14110508)		
628220.00	4279160.00	364.53659	(14110508)	629580.00
4279160.00	384.70845	(15030408)		
629600.00	4279160.00	363.96434	(15030408)	629620.00
4279160.00	342.34239	(15030408)		
629640.00	4279160.00	320.19475	(15030408)	629660.00
4279160.00	297.76576	(15030408)		
629680.00	4279160.00	275.38067	(15030408)	628060.00
4279180.00	228.12015	(14110508)		
628080.00	4279180.00	245.46278	(14110508)	628100.00
4279180.00	263.40545	(14110508)		
628120.00	4279180.00	281.78222	(14110508)	628140.00
4279180.00	300.43614	(14110508)		
628160.00	4279180.00	319.20469	(14110508)	628180.00
4279180.00	337.82326	(14110508)		
628200.00	4279180.00	356.04449	(14110508)	628220.00
4279180.00	373.58851	(14110508)		
628060.00	4279200.00	245.29912	(14110508)	628080.00
4279200.00	262.17397	(14110508)		
628100.00	4279200.00	279.36039	(14110508)	628120.00
4279200.00	296.68650	(14110508)		
628140.00	4279200.00	313.96061	(14110508)	628160.00
4279200.00	330.99267	(14110508)		
628180.00	4279200.00	347.49448	(14110508)	628200.00
4279200.00	363.24364	(14110508)		
628220.00	4279200.00	378.01208	(14110508)	628040.00
4279220.00	244.59942	(14110508)		
628060.00	4279220.00	260.46634	(14110508)	628080.00
4279220.00	276.49208	(14110508)		
628100.00	4279220.00	292.56328	(14110508)	628120.00
4279220.00	308.45057	(14110508)		
628140.00	4279220.00	323.96100	(14110508)	628160.00
4279220.00	338.92616	(14110508)		
628180.00	4279220.00	353.03562	(14110508)	628200.00
4279220.00	366.14321	(14110508)		
628220.00	4279220.00	377.93925	(14110508)	628240.00
4279220.00	388.58494	(14110508)		
628040.00	4279240.00	258.24504	(14110508)	628060.00
4279240.00	273.22149	(14110508)		
628080.00	4279240.00	288.06872	(14110508)	628100.00
4279240.00	302.66065	(14110508)		
628120.00	4279240.00	316.83676	(14110508)	628140.00

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4279240.00	330.28411	(14110508)			
	628160.00	4279240.00	342.95116	(14110508)	628180.00
4279240.00	354.53688	(14110508)			
	628200.00	4279240.00	364.82036	(14110508)	628220.00
4279240.00	373.59334	(14110508)			
	628240.00	4279240.00	380.86111	(14110508)	629560.00
4279240.00	415.52561	(15030408)			
	628040.00	4279260.00	269.64195	(14110508)	628060.00
4279260.00	283.30642	(14110508)			
	628080.00	4279260.00	296.68634	(14110508)	628100.00
4279260.00	309.55753	(14110508)			

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***
*** 17:40:15

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_CNU ***
INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

628120.00	4279260.00	321.73472	(14110508)	628140.00
4279260.00	332.99238	(14110508)		
628160.00	4279260.00	343.19960	(14110508)	628180.00
4279260.00	352.13112	(14110508)		
628200.00	4279260.00	359.60228	(14110508)	628220.00
4279260.00	365.36812	(14110508)		
628240.00	4279260.00	369.46158	(14110508)	629540.00
4279260.00	420.96742	(15030408)		
629560.00	4279260.00	413.11164	(15030408)	629580.00
4279260.00	404.01210	(15030408)		
629600.00	4279260.00	393.63023	(15030408)	628080.00
4279280.00	302.17748	(14110508)		
628100.00	4279280.00	313.15392	(14110508)	628120.00
4279280.00	323.21934	(14110508)		

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628140.00	4279280.00	332.20533	(14110508)	628160.00
4279280.00	339.87433	(14110508)		
628180.00	4279280.00	346.13232	(14110508)	628200.00
4279280.00	350.75247	(14110508)		
628220.00	4279280.00	353.84279	(14110508)	629520.00
4279280.00	420.25018	(15030408)		
629540.00	4279280.00	415.26107	(15030408)	629560.00
4279280.00	409.14158	(15030408)		
629580.00	4279280.00	401.73920	(15030408)	629600.00
4279280.00	393.10898	(15030408)		
629620.00	4279280.00	383.24898	(15030408)	629640.00
4279280.00	372.20412	(15030408)		
629520.00	4279300.00	411.36482	(15030408)	629540.00
4279300.00	408.01611	(15030408)		
629560.00	4279300.00	403.54889	(15030408)	629580.00
4279300.00	397.78611	(15030408)		
629600.00	4279300.00	390.82461	(15030408)	629620.00
4279300.00	382.68494	(15030408)		
629640.00	4279300.00	373.36765	(15030408)	629660.00
4279300.00	362.90336	(15030408)		
629520.00	4279320.00	401.16251	(15030408)	629540.00
4279320.00	399.32014	(15030408)		
629560.00	4279320.00	396.33396	(15030408)	629580.00
4279320.00	392.17683	(15030408)		
629600.00	4279320.00	386.95807	(15030408)	629620.00
4279320.00	380.45107	(15030408)		
629640.00	4279320.00	372.75200	(15030408)	629660.00
4279320.00	363.95546	(15030408)		
629680.00	4279320.00	353.95465	(15030408)	629700.00
4279320.00	343.02041	(15030408)		
629520.00	4279340.00	389.50216	(15030408)	629540.00
4279340.00	389.22958	(15030408)		
629560.00	4279340.00	387.75323	(15030408)	629580.00
4279340.00	385.20861	(15030408)		
629600.00	4279340.00	381.45125	(15030408)	629620.00
4279340.00	376.54995	(15030408)		
629640.00	4279340.00	370.48699	(15030408)	629660.00
4279340.00	363.26496	(15030408)		
629680.00	4279340.00	354.85913	(15030408)	629700.00
4279340.00	345.44061	(15030408)		
629720.00	4279340.00	335.06931	(15030408)	629740.00
4279340.00	323.72664	(15030408)		
629760.00	4279340.00	311.54175	(15030408)	629520.00
4279360.00	376.47468	(15030408)		
629540.00	4279360.00	377.75395	(15030408)	629560.00
4279360.00	377.80046	(15030408)		
629580.00	4279360.00	376.73325	(15030408)	629600.00
4279360.00	374.45932	(15030408)		

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629620.00	4279360.00	371.05039	(15030408)	629640.00
4279360.00	366.53059	(15030408)		
629660.00	4279360.00	360.90491	(15030408)	629680.00
4279360.00	354.12686	(15030408)		
629700.00	4279360.00	346.23792	(15030408)	629720.00
4279360.00	337.33007	(15030408)		
629740.00	4279360.00	327.43106	(15030408)	629760.00
4279360.00	316.65068	(15030408)		
629520.00	4279380.00	362.20915	(15030408)	629540.00
4279380.00	364.98571	(15030408)		
629560.00	4279380.00	366.51113	(15030408)	629580.00
4279380.00	366.88607	(15030408)		
629600.00	4279380.00	366.07596	(15030408)	629620.00
4279380.00	364.14877	(15030408)		
629640.00	4279380.00	361.11858	(15030408)	629660.00
4279380.00	356.95289	(15030408)		
629680.00	4279380.00	351.71985	(15030408)	629700.00
4279380.00	345.35543	(15030408)		

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***
*** 17:40:15

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

VALUES FOR SOURCE GROUP: C_CNU *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629720.00	4279380.00	337.98146	(15030408)	629740.00
4279380.00	329.51193	(15030408)		
629520.00	4279400.00	346.75495	(15030408)	629540.00
4279400.00	350.93380	(15030408)		
629560.00	4279400.00	353.88505	(15030408)	629580.00
4279400.00	355.71878	(15030408)		
629600.00	4279400.00	356.33901	(15030408)	629620.00

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4279400.00	355.84333	(15030408)			
629640.00	4279400.00	354.24616	(15030408)		629660.00
4279400.00	351.53448	(15030408)			
629680.00	4279400.00	347.79280	(15030408)		629700.00
4279400.00	342.83401	(15030408)			
629720.00	4279400.00	336.94865	(15030408)		629040.00
4279420.00	346.97592	(14110317)			
629060.00	4279420.00	344.54421	(14110317)		629520.00
4279420.00	330.23496	(15030408)			
629540.00	4279420.00	335.71974	(15030408)		629560.00
4279420.00	340.08776	(15030408)			
629580.00	4279420.00	343.32931	(15030408)		629600.00
4279420.00	345.33500	(15030408)			
629620.00	4279420.00	346.20662	(15030408)		629640.00
4279420.00	346.02507	(15030408)			
629660.00	4279420.00	344.74354	(15030408)		629680.00
4279420.00	342.40251	(15030408)			
629700.00	4279420.00	338.85751	(15030408)		629040.00
4279440.00	337.85904	(14110317)			
629060.00	4279440.00	336.37712	(14110317)		629580.00
4279440.00	329.79697	(15030408)			
629600.00	4279440.00	333.18899	(15030408)		629620.00
4279440.00	335.39530	(15030408)			
629640.00	4279440.00	336.59278	(15030408)		629660.00
4279440.00	336.65156	(15030408)			
629680.00	4279440.00	335.69303	(15030408)		629580.00
4279460.00	315.23717	(15030408)			
629600.00	4279460.00	319.84625	(15030408)		629620.00
4279460.00	323.42074	(15030408)			
629640.00	4279460.00	325.84098	(15030408)		629660.00
4279460.00	327.25935	(15030408)			
629140.00	4279680.00	253.50252	(14110317)		629160.00
4279680.00	248.56139	(14110317)			
629180.00	4279680.00	250.89384	(16010809)		629200.00
4279680.00	264.55648	(16010809)			
629140.00	4279700.00	249.39218	(14110317)		629160.00
4279700.00	245.11396	(14110317)			
629180.00	4279700.00	239.36603	(16010809)		629200.00
4279700.00	253.53429	(16010809)			
629220.00	4279700.00	265.75781	(16010809)		629240.00
4279700.00	275.96027	(16010809)			
629260.00	4279700.00	283.95937	(16010809)		629280.00
4279700.00	289.78830	(16010809)			
629300.00	4279700.00	293.39430	(16010809)		629320.00
4279700.00	294.83566	(16010809)			
629340.00	4279700.00	294.19584	(16010809)		629360.00
4279700.00	291.59585	(16010809)			
629380.00	4279700.00	287.12680	(16010809)		629400.00

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4279700.00	280.88659	(16010809)			
629420.00	4279700.00	272.83803	(16010809)		629140.00
4279720.00	245.23733	(14110317)			
629160.00	4279720.00	241.60589	(14110317)		629180.00
4279720.00	235.98899	(14110317)			
629200.00	4279720.00	242.57170	(16010809)		629220.00
4279720.00	255.36329	(16010809)			
629240.00	4279720.00	266.24396	(16010809)		629260.00
4279720.00	275.07009	(16010809)			
629280.00	4279720.00	281.80424	(16010809)		629300.00
4279720.00	286.45229	(16010809)			
629320.00	4279720.00	288.88682	(16010809)		629340.00
4279720.00	289.23546	(16010809)			
629360.00	4279720.00	287.59294	(16010809)		629380.00
4279720.00	284.08291	(16010809)			
629400.00	4279720.00	278.82521	(16010809)		629420.00
4279720.00	271.81256	(16010809)			
629140.00	4279740.00	241.06747	(14110317)		629160.00
4279740.00	238.06411	(14110317)			
629180.00	4279740.00	233.05150	(14110317)		629200.00
4279740.00	231.74391	(16010809)			
629220.00	4279740.00	245.06557	(16010809)		629240.00
4279740.00	256.54789	(16010809)			
629260.00	4279740.00	266.15181	(16010809)		629280.00
4279740.00	273.72595	(16010809)			

▲ *** AERMOD - VERSION 21112 *** ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_CNU ***

INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

Natomas_CSTN_062921

629300.00	4279740.00	279.22648	(16010809)	629320.00
4279740.00	282.58242	(16010809)		
629340.00	4279740.00	283.91827	(16010809)	629360.00
4279740.00	283.27551	(16010809)		
629380.00	4279740.00	280.73288	(16010809)	629400.00
4279740.00	276.42304	(16010809)		
629420.00	4279740.00	270.36752	(16010809)	628920.00
4279760.00	256.80286	(15010709)		
628940.00	4279760.00	235.74649	(15010709)	628960.00
4279760.00	224.99471	(14021020)		
628980.00	4279760.00	225.44763	(14021020)	629000.00
4279760.00	228.77422	(14111408)		
629020.00	4279760.00	234.66902	(14111408)	629040.00
4279760.00	238.13726	(14111408)		
629060.00	4279760.00	239.11352	(14111408)	629080.00
4279760.00	237.65368	(14111408)		
629100.00	4279760.00	235.27287	(14110317)	629120.00
4279760.00	237.15014	(14110317)		
629140.00	4279760.00	236.86793	(14110317)	629160.00
4279760.00	234.36197	(14110317)		
629180.00	4279760.00	230.02610	(14110317)	629200.00
4279760.00	223.83061	(14110317)		
629220.00	4279760.00	234.73243	(16010809)	629240.00
4279760.00	246.77989	(16010809)		
629260.00	4279760.00	257.06261	(16010809)	629280.00
4279760.00	265.42255	(16010809)		
629300.00	4279760.00	271.72089	(16010809)	629320.00
4279760.00	275.99831	(16010809)		
629340.00	4279760.00	278.29195	(16010809)	629360.00
4279760.00	278.63062	(16010809)		
629380.00	4279760.00	277.07209	(16010809)	629400.00
4279760.00	273.67523	(16010809)		
629420.00	4279760.00	268.55868	(16010809)	628920.00
4279780.00	250.39128	(15010709)		
628940.00	4279780.00	229.70600	(15010709)	628960.00
4279780.00	220.51322	(14021020)		
628980.00	4279780.00	221.18659	(14021020)	629000.00
4279780.00	223.35711	(14111408)		
629020.00	4279780.00	229.49150	(14111408)	629040.00
4279780.00	233.26794	(14111408)		
629060.00	4279780.00	234.63537	(14111408)	629080.00
4279780.00	233.64407	(14111408)		
629100.00	4279780.00	230.42604	(14111408)	629120.00
4279780.00	232.38242	(14110317)		
629140.00	4279780.00	232.63707	(14110317)	629160.00
4279780.00	230.73557	(14110317)		
629180.00	4279780.00	226.97585	(14110317)	629200.00
4279780.00	221.35219	(14110317)		

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629220.00	4279780.00	224.54751	(16010809)	629240.00
4279780.00	237.07779	(16010809)		
629260.00	4279780.00	247.91015	(16010809)	629280.00
4279780.00	256.93555	(16010809)		
629300.00	4279780.00	264.03654	(16010809)	629320.00
4279780.00	269.17532	(16010809)		
629340.00	4279780.00	272.41608	(16010809)	629360.00
4279780.00	273.69249	(16010809)		
629380.00	4279780.00	273.06120	(16010809)	629400.00
4279780.00	270.59590	(16010809)		
628920.00	4279800.00	244.20367	(15010709)	628940.00
4279800.00	223.95032	(15010709)		
628960.00	4279800.00	216.20739	(14021020)	628980.00
4279800.00	217.04995	(14021020)		
629000.00	4279800.00	218.05766	(14111408)	629020.00
4279800.00	224.37375	(14111408)		
629040.00	4279800.00	228.49614	(14111408)	629060.00
4279800.00	230.24908	(14111408)		
629080.00	4279800.00	229.67457	(14111408)	629100.00
4279800.00	226.91826	(14111408)		
629120.00	4279800.00	227.67729	(14110317)	629140.00
4279800.00	228.42905	(14110317)		
629160.00	4279800.00	227.08285	(14110317)	629180.00
4279800.00	223.88779	(14110317)		
629200.00	4279800.00	218.85513	(14110317)	629220.00
4279800.00	214.52328	(16010809)		
629240.00	4279800.00	227.43080	(16010809)	629260.00
4279800.00	238.75517	(16010809)		
629280.00	4279800.00	248.40291	(16010809)	629300.00
4279800.00	256.23914	(16010809)		
629320.00	4279800.00	262.19360	(16010809)	629340.00
4279800.00	266.27734	(16010809)		

▲ *** AERMOD - VERSION 21112 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_CNU ***
INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

Natomas_CSTN_062921

** CONC OF PM_10

IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
4279800.00	629360.00	4279800.00	268.46794	(16010809)	629380.00
4279820.00	628920.00	4279820.00	238.21454	(15010709)	628940.00
4279820.00	628960.00	4279820.00	212.04222	(14021020)	628980.00
4279820.00	629000.00	4279820.00	213.03846	(14111408)	629020.00
4279820.00	629040.00	4279820.00	223.94259	(14111408)	629060.00
4279820.00	629080.00	4279820.00	225.79134	(14111408)	629100.00
4279820.00	629120.00	4279820.00	223.02625	(14110317)	629140.00
4279820.00	629160.00	4279820.00	223.41554	(14110317)	629180.00
4279820.00	629200.00	4279820.00	216.28404	(14110317)	629220.00
4279820.00	629240.00	4279820.00	217.83276	(16010809)	629260.00
4279820.00	629280.00	4279820.00	239.79394	(16010809)	629300.00
4279820.00	629320.00	4279820.00	255.00893	(16010809)	629340.00
4279840.00	629360.00	4279820.00	262.92310	(16010809)	628920.00
4279840.00	628940.00	4279840.00	213.01872	(15010709)	628960.00
4279840.00	628980.00	4279840.00	209.15936	(14021020)	629000.00
4279840.00	629020.00	4279840.00	214.72904	(14111408)	629040.00
4279840.00	629060.00	4279840.00	221.75846	(14111408)	629080.00
4279840.00	629100.00	4279840.00	220.07924	(14111408)	629120.00
4279840.00	629140.00	4279840.00	220.08608	(14110317)	629160.00
4279840.00	629180.00	4279840.00	217.61905	(14110317)	629200.00
4279840.00	629220.00	4279840.00	208.04443	(14110317)	629240.00

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4279840.00	208.36309	(16010809)			
629260.00	4279840.00	220.47759	(16010809)		629280.00
4279840.00	231.18258	(16010809)			
629300.00	4279840.00	240.27523	(16010809)		629320.00
4279840.00	247.66036	(16010809)			
629340.00	4279840.00	253.28393	(16010809)		629360.00
4279840.00	257.11944	(16010809)			
628920.00	4279860.00	226.95444	(15010709)		628940.00
4279860.00	207.83057	(15010709)			
628960.00	4279860.00	204.10477	(14021020)		628980.00
4279860.00	205.35631	(14021020)			
629000.00	4279860.00	204.52650	(14021020)		629020.00
4279860.00	210.01541	(14111408)			
629040.00	4279860.00	214.84544	(14111408)		629060.00
4279860.00	217.56710	(14111408)			
629080.00	4279860.00	218.12147	(14111408)		629100.00
4279860.00	216.67721	(14111408)			
629120.00	4279860.00	213.83912	(14110317)		629140.00
4279860.00	215.94503	(14110317)			
629160.00	4279860.00	216.12906	(14110317)		629180.00
4279860.00	214.45896	(14110317)			
629200.00	4279860.00	211.02286	(14110317)		629220.00
4279860.00	205.89851	(14110317)			
629240.00	4279860.00	199.28583	(14110317)		629260.00
4279860.00	211.46153	(16010809)			
629280.00	4279860.00	222.59041	(16010809)		629300.00
4279860.00	232.20820	(16010809)			
629320.00	4279860.00	240.21062	(16010809)		629340.00
4279860.00	246.51385	(16010809)			
628920.00	4279880.00	221.57666	(15010709)		628940.00
4279880.00	202.81729	(15010709)			
628960.00	4279880.00	200.30643	(14021020)		628980.00
4279880.00	201.69661	(14021020)			
629000.00	4279880.00	201.03464	(14021020)		629020.00
4279880.00	205.43151	(14111408)			
629040.00	4279880.00	210.45872	(14111408)		629060.00
4279880.00	213.46098	(14111408)			
629080.00	4279880.00	214.36098	(14111408)		629100.00
4279880.00	213.32850	(14111408)			

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

Natomas_CSTN_062921

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: C_CNU

INCLUDING SOURCE(S): C_CNU ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629120.00	4279880.00	210.24077	(14111408)	629140.00
4279880.00	211.78633	(14110317)		
629160.00	4279880.00	212.43434	(14110317)	629180.00
4279880.00	211.23727	(14110317)		
629200.00	4279880.00	208.28568	(14110317)	629220.00
4279880.00	203.69527	(14110317)		
629240.00	4279880.00	197.60507	(14110317)	629260.00
4279880.00	202.55827	(16010809)		
629280.00	4279880.00	214.01867	(16010809)	629300.00
4279880.00	224.09811	(16010809)		
629320.00	4279880.00	232.66614	(16010809)	628920.00
4279900.00	216.38770	(15010709)		
628940.00	4279900.00	197.95220	(15010709)	628960.00
4279900.00	196.60640	(14021020)		
628980.00	4279900.00	198.12253	(14021020)	629000.00
4279900.00	197.62617	(14021020)		
629020.00	4279900.00	200.95880	(14111408)	629040.00
4279900.00	206.17098	(14111408)		
629060.00	4279900.00	209.43695	(14111408)	629080.00
4279900.00	210.67435	(14111408)		
629100.00	4279900.00	210.00971	(14111408)	629120.00
4279900.00	207.32200	(14111408)		
629140.00	4279900.00	207.69541	(14110317)	629160.00
4279900.00	208.73105	(14110317)		
629180.00	4279900.00	207.98028	(14110317)	629200.00
4279900.00	205.51856	(14110317)		
629220.00	4279900.00	201.43958	(14110317)	629240.00
4279900.00	195.86294	(14110317)		
629260.00	4279900.00	193.82252	(16010809)	629280.00
4279900.00	205.50399	(16010809)		
629300.00	4279900.00	215.97812	(16010809)	628920.00
4279920.00	211.31875	(15010709)		
628940.00	4279920.00	194.19763	(14121217)	628960.00
4279920.00	192.94582	(14021020)		

Natomas_CSTN_062921

628980.00	4279920.00	194.60185	(14021020)	629000.00
4279920.00	194.32022	(14021020)		
629020.00	4279920.00	196.61131	(14111408)	629040.00
4279920.00	202.00038	(14111408)		
629060.00	4279920.00	205.48635	(14111408)	629080.00
4279920.00	207.02014	(14111408)		
629100.00	4279920.00	206.70662	(14111408)	629120.00
4279920.00	204.43161	(14111408)		
629140.00	4279920.00	203.61603	(14110317)	629160.00
4279920.00	205.02775	(14110317)		
629180.00	4279920.00	204.68243	(14110317)	629200.00
4279920.00	202.69916	(14110317)		
629220.00	4279920.00	199.14217	(14110317)	629240.00
4279920.00	194.03180	(14110317)		
629260.00	4279920.00	188.93929	(15011709)	629540.00
4278840.00	369.26710	(18012817)		
629540.00	4278820.00	361.95110	(16022108)	629560.00
4278820.00	350.00382	(16022108)		
629580.00	4278820.00	338.33681	(16022108)	629560.00
4278840.00	356.10967	(18012817)		

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

VALUES FOR SOURCE GROUP: C_INV *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629540.00	4278320.00	232.38660	(14011009)	629560.00
4278320.00	228.18535	(14011009)		
629540.00	4278340.00	235.78176	(14011009)	629560.00
4278340.00	229.64443	(14011009)		
629580.00	4278340.00	222.83902	(14011009)	629520.00

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4278360.00	244.30539	(14011009)			
629540.00	4278360.00		238.13350	(14011009)	629560.00
4278360.00	231.18554	(14011009)			
629580.00	4278360.00		223.76432	(14011009)	629600.00
4278360.00	215.30077	(14011009)			
629620.00	4278360.00		205.76455	(14011009)	629640.00
4278360.00	194.44580	(14011009)			
629660.00	4278360.00		193.69714	(16010409)	629680.00
4278360.00	195.89876	(16010409)			
629700.00	4278360.00		198.30666	(16010409)	629720.00
4278360.00	199.02811	(16010409)			
629520.00	4278380.00		247.48574	(14011009)	629540.00
4278380.00	240.09964	(14011009)			
629560.00	4278380.00		232.43103	(14011009)	629580.00
4278380.00	224.13974	(14011009)			
629600.00	4278380.00		215.23561	(14011009)	629620.00
4278380.00	204.84549	(14011009)			
629640.00	4278380.00		199.76318	(16010409)	629660.00
4278380.00	202.39739	(16010409)			
629680.00	4278380.00		204.24475	(16010409)	629700.00
4278380.00	205.16668	(16010409)			
629720.00	4278380.00		205.59689	(16010409)	629500.00
4278400.00	256.72129	(14011009)			
629520.00	4278400.00		249.59783	(14011009)	629540.00
4278400.00	242.06370	(14011009)			
629560.00	4278400.00		233.57482	(14011009)	629580.00
4278400.00	224.37907	(14011009)			
629600.00	4278400.00		214.83801	(14011009)	629620.00
4278400.00	205.51989	(16010409)			
629640.00	4278400.00		208.14720	(16010409)	629660.00
4278400.00	209.98468	(16010409)			
629680.00	4278400.00		211.06605	(16010409)	629700.00
4278400.00	211.15054	(16010409)			
629720.00	4278400.00		210.66682	(16010409)	629480.00
4278420.00	265.42426	(14011009)			
629500.00	4278420.00		259.59646	(14011009)	629520.00
4278420.00	251.61182	(14011009)			
629540.00	4278420.00		243.23022	(14011009)	629560.00
4278420.00	234.12159	(14011009)			
629580.00	4278420.00		224.59311	(14011009)	629600.00
4278420.00	213.88223	(14011009)			
629620.00	4278420.00		214.39488	(16010409)	629640.00
4278420.00	216.20856	(16010409)			
629660.00	4278420.00		217.13740	(16010409)	629680.00
4278420.00	217.30601	(16010409)			
629700.00	4278420.00		216.52489	(16010409)	629720.00
4278420.00	214.89599	(16010409)			
629480.00	4278440.00		270.40132	(14011009)	629500.00

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4278440.00	261.72449	(14011009)		
629520.00	4278440.00	253.10372	(14011009)	629540.00
4278440.00	244.17100	(14011009)		
629560.00	4278440.00	234.60224	(14011009)	629580.00
4278440.00	224.43651	(14011009)		
629600.00	4278440.00	221.14189	(16010409)	629620.00
4278440.00	222.64017	(16010409)		
629640.00	4278440.00	223.39051	(16010409)	629660.00
4278440.00	223.47894	(16010409)		
629680.00	4278440.00	222.75758	(16010409)	629700.00
4278440.00	220.86764	(16010409)		
629720.00	4278440.00	218.46745	(16010409)	629460.00
4278460.00	281.80320	(14011009)		
629480.00	4278460.00	272.91875	(14011009)	629500.00
4278460.00	263.88155	(14011009)		
629520.00	4278460.00	254.61791	(14011009)	629540.00
4278460.00	245.14739	(14011009)		
629560.00	4278460.00	234.99371	(14011009)	629580.00
4278460.00	228.26844	(16010409)		
629600.00	4278460.00	229.80407	(16010409)	629620.00
4278460.00	230.45429	(16010409)		
629640.00	4278460.00	230.09716	(16010409)	629660.00
4278460.00	229.08772	(16010409)		
629680.00	4278460.00	227.38821	(16010409)	629700.00
4278460.00	224.67736	(16010409)		
629720.00	4278460.00	221.07199	(16010409)	629440.00
4278480.00	291.89835	(14011009)		

▲ *** AERMOD - VERSION 21112 *** **

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_INV ***
INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

Natomas_CSTN_062921

629460.00	4278480.00	286.02193	(14011009)	629480.00
4278480.00	275.66134	(14011009)		
629500.00	4278480.00	265.89641	(14011009)	629520.00
4278480.00	256.21075	(14011009)		
629540.00	4278480.00	246.26080	(14011009)	629560.00
4278480.00	235.72203	(16010409)		
629580.00	4278480.00	237.23357	(16010409)	629600.00
4278480.00	237.72195	(16010409)		
629620.00	4278480.00	237.18864	(16010409)	629640.00
4278480.00	236.09627	(16010409)		
629660.00	4278480.00	234.01525	(16010409)	629680.00
4278480.00	231.32257	(16010409)		
629700.00	4278480.00	227.43882	(16010409)	629720.00
4278480.00	222.69879	(16010409)		
629440.00	4278500.00	297.98719	(14011009)	629460.00
4278500.00	288.14406	(14011009)		
629480.00	4278500.00	277.51917	(14011009)	629500.00
4278500.00	267.97612	(14011009)		
629520.00	4278500.00	257.94403	(14011009)	629540.00
4278500.00	247.05819	(14011009)		
629560.00	4278500.00	245.06369	(16010409)	629580.00
4278500.00	245.72057	(16010409)		
629600.00	4278500.00	245.09789	(16010409)	629620.00
4278500.00	243.38426	(16010409)		
629640.00	4278500.00	241.00481	(16010409)	629660.00
4278500.00	237.97230	(16010409)		
629680.00	4278500.00	234.19947	(16010409)	629700.00
4278500.00	229.50525	(16010409)		
629720.00	4278500.00	223.21261	(16010409)	629420.00
4278520.00	311.90968	(14011009)		
629440.00	4278520.00	301.85130	(14011009)	629460.00
4278520.00	291.25645	(14011009)		
629480.00	4278520.00	280.68078	(14011009)	629500.00
4278520.00	270.52499	(14011009)		
629520.00	4278520.00	259.43828	(14011009)	629540.00
4278520.00	253.87180	(16010409)		
629560.00	4278520.00	253.90112	(16010409)	629580.00
4278520.00	253.48392	(16010409)		
629600.00	4278520.00	251.77547	(16010409)	629620.00
4278520.00	248.85248	(16010409)		
629640.00	4278520.00	245.28088	(16010409)	629660.00
4278520.00	241.06365	(16010409)		
629680.00	4278520.00	236.12238	(16010409)	629700.00
4278520.00	230.30560	(16010409)		
629720.00	4278520.00	222.87699	(16010409)	629420.00
4278540.00	310.41745	(14011009)		

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629440.00	4278540.00	303.17889	(14011009)	629460.00
4278540.00	293.08633	(14011009)		
629480.00	4278540.00	283.32721	(14011009)	629500.00
4278540.00	272.87875	(14011009)		
629520.00	4278540.00	263.83091	(16010409)	629540.00
4278540.00	263.21386	(16010409)		
629560.00	4278540.00	262.22578	(16010409)	629580.00
4278540.00	260.57368	(16010409)		
629600.00	4278540.00	257.28750	(16010409)	629620.00
4278540.00	253.44285	(16010409)		
629640.00	4278540.00	248.61008	(16010409)	629660.00
4278540.00	243.18819	(16010409)		
629680.00	4278540.00	237.13167	(16010409)	629700.00
4278540.00	230.28146	(16010409)		
629720.00	4278540.00	221.59443	(16010409)	629460.00
4278560.00	295.77818	(14011009)		
629480.00	4278560.00	286.17196	(14011009)	629500.00
4278560.00	274.33459	(14011009)		
629520.00	4278560.00	273.42781	(16010409)	629540.00
4278560.00	271.89050	(16010409)		
629560.00	4278560.00	269.69017	(16010409)	629580.00
4278560.00	266.35284	(16010409)		
629600.00	4278560.00	262.20977	(16010409)	629620.00
4278560.00	256.63232	(16010409)		
629640.00	4278560.00	250.64410	(16010409)	629660.00
4278560.00	244.21635	(16010409)		
629680.00	4278560.00	237.08826	(16010409)	629700.00
4278560.00	229.21019	(16010409)		
629720.00	4278560.00	224.09694	(18012609)	629480.00
4278580.00	287.25771	(14011009)		
629500.00	4278580.00	284.53509	(16010409)	629520.00
4278580.00	282.44535	(16010409)		
629540.00	4278580.00	278.94913	(16010409)	629560.00
4278580.00	275.44181	(16010409)		

▲ *** AERMOD - VERSION 21112 *** **

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_INV ***
INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

Natomas_CSTN_062921

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629580.00	4278580.00	271.16969	(16010409)	629600.00
4278580.00	266.23578	(16010409)		
629620.00	4278580.00	259.46266	(16010409)	629640.00
4278580.00	251.83843	(16010409)		
629660.00	4278580.00	244.20932	(16010409)	629680.00
4278580.00	235.98402	(16010409)		
629700.00	4278580.00	234.07134	(18012609)	629720.00
4278580.00	231.72800	(18012609)		
629520.00	4278600.00	289.10151	(16010409)	629540.00
4278600.00	284.90849	(16010409)		
629560.00	4278600.00	280.02043	(16010409)	629580.00
4278600.00	274.90369	(16010409)		
629600.00	4278600.00	267.55280	(16010409)	629620.00
4278600.00	260.51433	(16010409)		
629640.00	4278600.00	252.03003	(16010409)	629660.00
4278600.00	244.45188	(18012609)		
629680.00	4278600.00	243.27524	(18012609)	629700.00
4278600.00	241.09105	(18012609)		
629720.00	4278600.00	238.00370	(18012609)	629620.00
4278620.00	259.28755	(16010409)		
629640.00	4278620.00	253.78328	(18012609)	629660.00
4278620.00	251.46220	(18012609)		
629680.00	4278620.00	248.89328	(18012609)	629700.00
4278620.00	245.31322	(18012609)		
629720.00	4278620.00	242.00734	(18012609)	629000.00
4278200.00	204.75069	(14011509)		
629020.00	4278200.00	191.12988	(14011509)	629040.00
4278200.00	184.07259	(14011709)		
629060.00	4278200.00	185.93565	(14011709)	629060.00
4278220.00	190.78484	(14011709)		
629080.00	4278220.00	190.86503	(14011709)	629100.00
4278220.00	188.94680	(14011709)		
629120.00	4278220.00	185.66249	(14011709)	629140.00
4278220.00	180.86918	(14011709)		
629160.00	4278220.00	177.42342	(14010609)	629180.00
4278220.00	178.96851	(14010609)		
629100.00	4278240.00	194.73145	(14011709)	629120.00
4278240.00	191.31203	(14011709)		
629140.00	4278240.00	186.39591	(14011709)	629160.00

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4278240.00	181.55811	(14010609)			
629180.00	4278240.00	183.12099	(14010609)		629200.00
4278240.00	183.75525	(14010609)			
629220.00	4278240.00	183.43042	(14010609)		629240.00
4278240.00	181.81425	(14010609)			
629260.00	4278240.00	182.71498	(15010209)		629280.00
4278240.00	183.80723	(15010209)			
629300.00	4278240.00	183.70196	(15010209)		629320.00
4278240.00	182.32185	(15010209)			
629140.00	4278260.00	192.23676	(14011709)		629160.00
4278260.00	186.01507	(14010609)			
629180.00	4278260.00	187.50513	(14010609)		629200.00
4278260.00	188.14527	(14010609)			
629220.00	4278260.00	187.71293	(14010609)		629240.00
4278260.00	185.99797	(14010609)			
629260.00	4278260.00	186.99776	(15010209)		629280.00
4278260.00	187.98311	(15010209)			
629300.00	4278260.00	187.69443	(15010209)		629320.00
4278260.00	186.11617	(15010209)			
629340.00	4278260.00	182.94560	(15010209)		629360.00
4278260.00	186.25489	(14011009)			
629380.00	4278260.00	191.38172	(14011009)		629400.00
4278260.00	196.97700	(14011009)			
629420.00	4278260.00	202.80993	(14011009)		629440.00
4278260.00	208.57004	(14011009)			
629460.00	4278260.00	213.88522	(14011009)		629160.00
4278280.00	190.61336	(14011709)			
629180.00	4278280.00	192.01052	(14010609)		629200.00
4278280.00	192.44173	(14010609)			
629220.00	4278280.00	191.65909	(14010609)		629240.00
4278280.00	189.98038	(14010609)			
629260.00	4278280.00	191.20967	(15010209)		629280.00
4278280.00	192.37299	(15010209)			
629300.00	4278280.00	191.90507	(15010209)		629320.00
4278280.00	190.03352	(15010209)			
629340.00	4278280.00	187.50231	(14011009)		629360.00
4278280.00	192.47616	(14011009)			
629380.00	4278280.00	198.05947	(14011009)		629400.00
4278280.00	203.93140	(14011009)			
629420.00	4278280.00	210.13826	(14011009)		629440.00
4278280.00	216.01313	(14011009)			

▲ *** AERMOD - VERSION 21112 *** ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_INV ***

INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629460.00	4278280.00	221.20901	(14011009)	629480.00
4278280.00	225.26869	(14011009)		
629500.00	4278280.00	227.02702	(14011009)	629200.00
4278300.00	196.72238	(14010609)		
629220.00	4278300.00	196.30306	(14010609)	629240.00
4278300.00	194.38280	(14010609)		
629260.00	4278300.00	195.82531	(15010209)	629280.00
4278300.00	196.70640	(15010209)		
629300.00	4278300.00	196.24874	(15010209)	629320.00
4278300.00	194.13318	(15010209)		
629340.00	4278300.00	193.75132	(14011009)	629360.00
4278300.00	199.13578	(14011009)		
629380.00	4278300.00	205.17607	(14011009)	629400.00
4278300.00	211.32445	(14011009)		
629420.00	4278300.00	217.59642	(14011009)	629440.00
4278300.00	223.83038	(14011009)		
629460.00	4278300.00	228.40077	(14011009)	629480.00
4278300.00	231.93182	(14011009)		
629500.00	4278300.00	233.86532	(14011009)	629520.00
4278300.00	232.66478	(14011009)		
629220.00	4278320.00	200.63858	(14010609)	629240.00
4278320.00	199.39144	(14010609)		
629260.00	4278320.00	200.71051	(15010209)	629280.00
4278320.00	201.61603	(15010209)		
629300.00	4278320.00	200.84706	(15010209)	629320.00
4278320.00	198.41664	(15010209)		
629340.00	4278320.00	200.58529	(14011009)	629360.00
4278320.00	206.58252	(14011009)		
629380.00	4278320.00	213.03976	(14011009)	629400.00
4278320.00	219.69373	(14011009)		
629420.00	4278320.00	226.03472	(14011009)	629440.00
4278320.00	231.83655	(14011009)		

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629460.00	4278320.00	235.98341	(14011009)	629480.00
4278320.00	238.93676	(14011009)		
629500.00	4278320.00	239.63516	(14011009)	629520.00
4278320.00	234.92329	(14011009)		
629160.00	4278340.00	210.94562	(14011709)	629240.00
4278340.00	203.90643	(14010609)		
629260.00	4278340.00	206.14557	(15010209)	629280.00
4278340.00	206.43987	(15010209)		
629300.00	4278340.00	205.64765	(15010209)	629320.00
4278340.00	202.88863	(15010209)		
629340.00	4278340.00	208.04382	(14011009)	629360.00
4278340.00	214.50841	(14011009)		
629380.00	4278340.00	221.37642	(14011009)	629400.00
4278340.00	228.32205	(14011009)		
629420.00	4278340.00	234.83601	(14011009)	629440.00
4278340.00	240.40485	(14011009)		
629460.00	4278340.00	244.43768	(14011009)	629480.00
4278340.00	246.04835	(14011009)		
629500.00	4278340.00	243.86206	(14011009)	629140.00
4278360.00	224.55336	(14011709)		
629160.00	4278360.00	218.46720	(14011709)	629180.00
4278360.00	211.81837	(14010609)		
629260.00	4278360.00	211.40876	(15010209)	629280.00
4278360.00	212.21431	(15010209)		
629300.00	4278360.00	210.69492	(15010209)	629320.00
4278360.00	209.66519	(14011009)		
629340.00	4278360.00	216.16297	(14011009)	629360.00
4278360.00	223.12091	(14011009)		
629380.00	4278360.00	230.35060	(14011009)	629400.00
4278360.00	237.53491	(14011009)		
629420.00	4278360.00	243.48132	(14011009)	629440.00
4278360.00	248.69023	(14011009)		
629460.00	4278360.00	252.23755	(14011009)	629480.00
4278360.00	252.51813	(14011009)		
629500.00	4278360.00	247.17674	(14011009)	629140.00
4278380.00	232.77318	(14011709)		
629160.00	4278380.00	226.79724	(14011709)	629180.00
4278380.00	217.82167	(14011709)		
629200.00	4278380.00	218.14024	(14010609)	629280.00
4278380.00	217.73175	(15010209)		
629300.00	4278380.00	216.00369	(15010209)	629320.00
4278380.00	217.95988	(14011009)		
629340.00	4278380.00	224.98248	(14011009)	629360.00
4278380.00	232.38123	(14011009)		
629380.00	4278380.00	239.96420	(14011009)	629400.00
4278380.00	247.32332	(14011009)		
629420.00	4278380.00	253.05788	(14011009)	629440.00
4278380.00	257.33486	(14011009)		

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▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_INV ***
INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629460.00	4278380.00	258.20963	(14011009)	629480.00
4278380.00	255.82775	(14011009)		
629180.00	4278400.00	227.25068	(14011709)	629200.00
4278400.00	224.50626	(14010609)		
629220.00	4278400.00	223.28548	(14010609)	629300.00
4278400.00	221.59012	(15010209)		
629320.00	4278400.00	227.01723	(14011009)	629340.00
4278400.00	234.32421	(14011009)		
629360.00	4278400.00	242.38439	(14011009)	629380.00
4278400.00	250.24944	(14011009)		
629400.00	4278400.00	257.73988	(14011009)	629420.00
4278400.00	263.86204	(14011009)		
629440.00	4278400.00	267.33996	(14011009)	629460.00
4278400.00	266.11984	(14011009)		
629180.00	4278420.00	234.88916	(14011709)	629200.00
4278420.00	232.46346	(14010609)		
629220.00	4278420.00	230.55484	(14010609)	629240.00
4278420.00	228.36171	(15010209)		
629300.00	4278420.00	228.77124	(14011009)	629320.00
4278420.00	236.89591	(14011009)		
629340.00	4278420.00	244.95983	(14011009)	629360.00
4278420.00	253.14740	(14011009)		
629380.00	4278420.00	261.25409	(14011009)	629400.00
4278420.00	268.80339	(14011009)		
629420.00	4278420.00	274.30668	(14011009)	629440.00

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4278420.00	276.18339	(14011009)			
629460.00	4278420.00	269.83483	(14011009)		629180.00
4278440.00	244.97172	(14011709)			
629200.00	4278440.00	238.57750	(14010609)		629220.00
4278440.00	238.80249	(14010609)			
629240.00	4278440.00	235.34573	(15010209)		629260.00
4278440.00	237.16256	(15010209)			
629320.00	4278440.00	247.65608	(14011009)		629340.00
4278440.00	256.15617	(14011009)			
629360.00	4278440.00	264.68111	(14011009)		629380.00
4278440.00	273.08912	(14011009)			
629400.00	4278440.00	279.65696	(14011009)		629420.00
4278440.00	284.91301	(14011009)			
629440.00	4278440.00	283.88483	(14011009)		629160.00
4278460.00	262.49487	(14011709)			
629180.00	4278460.00	255.47791	(14011709)		629200.00
4278460.00	246.17172	(14010609)			
629220.00	4278460.00	246.07727	(14010609)		629240.00
4278460.00	243.13326	(15010209)			
629260.00	4278460.00	244.15606	(15010209)		629340.00
4278460.00	268.25183	(14011009)			
629360.00	4278460.00	277.03920	(14011009)		629380.00
4278460.00	285.76042	(14011009)			
629400.00	4278460.00	292.96716	(14011009)		629420.00
4278460.00	295.31924	(14011009)			
629180.00	4278480.00	266.33222	(14011709)		629200.00
4278480.00	256.62304	(14011709)			
629220.00	4278480.00	253.97680	(14010609)		629240.00
4278480.00	251.39733	(15010209)			
629260.00	4278480.00	252.84199	(15010209)		629280.00
4278480.00	251.89486	(14011009)			
629360.00	4278480.00	290.14311	(14011009)		629380.00
4278480.00	299.46431	(14011009)			
629400.00	4278480.00	305.86873	(14011009)		629200.00
4278500.00	267.00743	(14011709)			
629220.00	4278500.00	261.66725	(14010609)		629240.00
4278500.00	259.70324	(15010209)			
629260.00	4278500.00	261.03601	(15010209)		629280.00
4278500.00	264.08733	(14011009)			
629300.00	4278500.00	275.77455	(14011009)		629380.00
4278500.00	313.09117	(14011009)			
629220.00	4278520.00	269.82080	(14010609)		629240.00
4278520.00	267.26716	(15010209)			
629260.00	4278520.00	268.13840	(15010209)		629280.00
4278520.00	276.98841	(14011009)			
629300.00	4278520.00	290.03992	(14011009)		629320.00
4278520.00	300.25425	(14011009)			
629340.00	4278520.00	307.48351	(14011009)		629240.00

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4278540.00	275.96278	(15010209)			
629260.00	4278540.00	276.40751	(15010209)		629280.00
4278540.00	289.14440	(14011009)			
629300.00	4278540.00	305.29891	(14011009)		629320.00
4278540.00	315.58422	(14011009)			
629340.00	4278540.00	325.42593	(14011009)		629360.00
4278540.00	331.46424	(14011009)			

▲ *** AERMOD - VERSION 21112 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_INV ***
INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629260.00	4278560.00	287.53172	(14011009)	629280.00
4278560.00	304.71167	(14011009)		
629300.00	4278560.00	321.24496	(14011009)	629320.00
4278560.00	331.55921	(14011009)		
629340.00	4278560.00	341.94604	(14011009)	629360.00
4278560.00	343.53028	(14011009)		
629280.00	4278580.00	322.87591	(14011009)	629300.00
4278580.00	337.25270	(14011009)		
629320.00	4278580.00	347.49675	(14011009)	629340.00
4278580.00	348.64431	(14011009)		
629320.00	4278600.00	351.30153	(14011009)	628480.00
4278740.00	293.02124	(14011509)		
628500.00	4278740.00	308.96871	(14011509)	628460.00
4278760.00	283.14477	(14011509)		
628480.00	4278760.00	295.55292	(14011509)	628500.00
4278760.00	308.80943	(14011509)		
628520.00	4278760.00	326.69730	(14011509)	628440.00
4278780.00	309.95925	(16122409)		

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628460.00	4278780.00	305.55935	(16122409)	628480.00
4278780.00	299.55938	(16122409)		
628500.00	4278780.00	311.69514	(14011509)	628520.00
4278780.00	325.33163	(14011509)		
628540.00	4278780.00	344.23673	(14011509)	628420.00
4278800.00	331.83629	(16122409)		
628440.00	4278800.00	332.06326	(16122409)	628460.00
4278800.00	330.31071	(16122409)		
628480.00	4278800.00	325.83765	(16122409)	628500.00
4278800.00	319.02579	(16122409)		
628520.00	4278800.00	327.82899	(14011509)	628540.00
4278800.00	340.79841	(14011509)		
628400.00	4278820.00	343.69557	(16122409)	628420.00
4278820.00	348.69440	(16122409)		
628440.00	4278820.00	352.27031	(16122409)	628460.00
4278820.00	353.60922	(16122409)		
628480.00	4278820.00	352.61349	(16122409)	628500.00
4278820.00	348.90562	(16122409)		
628520.00	4278820.00	340.82603	(16122409)	628540.00
4278820.00	342.08572	(14011509)		
628560.00	4278820.00	352.63023	(14011509)	628380.00
4278840.00	346.37450	(16122409)		
628400.00	4278840.00	354.59608	(16122409)	628420.00
4278840.00	362.23578	(16122409)		
628440.00	4278840.00	368.70818	(16122409)	628460.00
4278840.00	373.61713	(16122409)		
628480.00	4278840.00	376.96883	(16122409)	628500.00
4278840.00	377.39154	(16122409)		
628520.00	4278840.00	373.72831	(16122409)	628540.00
4278840.00	363.90803	(16122409)		
628560.00	4278840.00	349.78951	(14011509)	628360.00
4278860.00	341.36115	(16122409)		
628380.00	4278860.00	351.80227	(16122409)	628400.00
4278860.00	362.34120	(16122409)		
628420.00	4278860.00	372.03124	(16122409)	628440.00
4278860.00	381.28619	(16122409)		
628460.00	4278860.00	389.40579	(16122409)	628480.00
4278860.00	395.76802	(16122409)		
628500.00	4278860.00	399.76058	(16122409)	628520.00
4278860.00	400.43464	(16122409)		
628340.00	4278880.00	332.40275	(16122409)	628360.00
4278880.00	343.73104	(16122409)		
628380.00	4278880.00	355.51633	(16122409)	628400.00
4278880.00	367.22906	(16122409)		
628420.00	4278880.00	378.72604	(16122409)	628440.00
4278880.00	389.85488	(16122409)		
628460.00	4278880.00	400.39836	(16122409)	628480.00
4278880.00	408.77755	(16122409)		

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628500.00	4278880.00	414.63674	(16122409)	628320.00
4278900.00	320.89269	(16122409)		
628340.00	4278900.00	332.39097	(16122409)	628360.00
4278900.00	344.74075	(16122409)		
628380.00	4278900.00	357.50940	(16122409)	628400.00
4278900.00	370.13281	(16122409)		
628420.00	4278900.00	382.89461	(16122409)	628440.00
4278900.00	395.42085	(16122409)		
628460.00	4278900.00	407.01106	(16122409)	628480.00
4278900.00	416.64393	(16122409)		
629760.00	4278900.00	196.04722	(15020408)	628320.00
4278920.00	319.81997	(16122409)		
628340.00	4278920.00	331.83278	(16122409)	628360.00
4278920.00	344.82785	(16122409)		

▲ *** AERMOD - VERSION 21112 *** **

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_INV ***
INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
628380.00	4278920.00	358.20966	(16122409)	628400.00
4278920.00	371.88077	(16122409)		
628420.00	4278920.00	385.67184	(16122409)	628440.00
4278920.00	398.30255	(16122409)		
628460.00	4278920.00	410.22429	(16122409)	629740.00
4278920.00	198.90936	(15020408)		
629760.00	4278920.00	194.17489	(15020408)	628320.00
4278940.00	318.93118	(16122409)		
628340.00	4278940.00	331.06079	(16122409)	628360.00
4278940.00	344.17894	(16122409)		
628380.00	4278940.00	357.85100	(16122409)	628400.00

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4278940.00	372.55906	(16122409)		
628420.00	4278940.00	386.83813	(16122409)	628440.00
4278940.00	399.72913	(16122409)		
628460.00	4278940.00	410.65463	(16122409)	629740.00
4278940.00	196.43264	(15020408)		
629760.00	4278940.00	190.97566	(15020408)	628100.00
4278960.00	217.60550	(17122909)		
628120.00	4278960.00	222.19927	(17122909)	628320.00
4278960.00	318.72188	(16122409)		
628340.00	4278960.00	330.72837	(16122409)	628360.00
4278960.00	343.45606	(16122409)		
628380.00	4278960.00	357.12351	(16122409)	628400.00
4278960.00	371.82414	(16122409)		
628420.00	4278960.00	386.45659	(16122409)	628440.00
4278960.00	399.60793	(16122409)		
629720.00	4278960.00	198.59974	(16012721)	629740.00
4278960.00	193.81859	(16012721)		
629760.00	4278960.00	188.45978	(16012721)	628100.00
4278980.00	225.20471	(17122909)		
628120.00	4278980.00	230.56835	(17122909)	628140.00
4278980.00	236.24415	(17122909)		
628160.00	4278980.00	242.29455	(17122909)	628180.00
4278980.00	248.73542	(17122909)		
628300.00	4278980.00	305.70055	(16122409)	628320.00
4278980.00	318.53511	(16122409)		
628340.00	4278980.00	331.15825	(16122409)	628360.00
4278980.00	343.54584	(16122409)		
628380.00	4278980.00	356.33769	(16122409)	628400.00
4278980.00	369.94656	(16122409)		
628420.00	4278980.00	384.47278	(16122409)	628440.00
4278980.00	396.94227	(16122409)		
629720.00	4278980.00	194.89833	(16012721)	629740.00
4278980.00	190.39291	(15010419)		
629760.00	4278980.00	185.56331	(15010419)	628100.00
4279000.00	230.31649	(17122909)		
628120.00	4279000.00	236.17200	(17122909)	628140.00
4279000.00	242.47338	(17122909)		
628160.00	4279000.00	249.34472	(17122909)	628180.00
4279000.00	256.84093	(17122909)		
628200.00	4279000.00	265.11774	(17122909)	628220.00
4279000.00	274.46457	(17122909)		
628240.00	4279000.00	285.05417	(17122909)	628320.00
4279000.00	313.34552	(16122409)		
628340.00	4279000.00	329.55984	(16122409)	628360.00
4279000.00	343.96506	(16122409)		
628380.00	4279000.00	356.76876	(16122409)	628400.00
4279000.00	368.54214	(16122409)		
628420.00	4279000.00	380.58966	(16122409)	628440.00

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4279000.00	391.59594	(16122409)			
629700.00	4279000.00	199.46302	(15010419)		629720.00
4279000.00	194.36942	(15010419)			
629740.00	4279000.00	189.00532	(15010419)		629760.00
4279000.00	184.36220	(15010419)			
629780.00	4279000.00	180.14639	(15010419)		628100.00
4279020.00	232.85713	(17122909)			
628120.00	4279020.00	238.88887	(17122909)		628140.00
4279020.00	245.35042	(17122909)			
628160.00	4279020.00	252.42386	(17122909)		628180.00
4279020.00	260.13283	(17122909)			
628200.00	4279020.00	268.67027	(17122909)		628220.00
4279020.00	278.22164	(17122909)			
628240.00	4279020.00	289.32686	(17122909)		628400.00
4279020.00	367.52542	(16122409)			
628420.00	4279020.00	377.29152	(16122409)		628440.00
4279020.00	383.44672	(16122409)			
629680.00	4279020.00	202.74879	(15010419)		629700.00
4279020.00	197.69206	(15010419)			
629720.00	4279020.00	192.58044	(15010419)		629740.00
4279020.00	187.61150	(15010419)			

^ *** AERMOD - VERSION 21112 *** ***
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 *** AERMET - VERSION 19191 *** ***
 *** 17:40:15

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: C_INV ***
 INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629760.00	4279020.00	182.49397	(15010419)	629780.00
4279020.00	179.46125	(14021108)		
628100.00	4279040.00	233.16715	(17122909)	628120.00
4279040.00	239.10553	(17122909)		

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628140.00	4279040.00	245.39694	(17122909)	628160.00
4279040.00	252.23113	(17122909)		
628180.00	4279040.00	259.51275	(17122909)	628200.00
4279040.00	267.32546	(17122909)		
628220.00	4279040.00	275.71848	(17122909)	628240.00
4279040.00	284.94821	(17122909)		
629680.00	4279040.00	203.16787	(14021108)	629700.00
4279040.00	197.10298	(14021108)		
629720.00	4279040.00	192.19208	(14021108)	629740.00
4279040.00	187.53759	(14021108)		
629760.00	4279040.00	184.16692	(14021108)	629780.00
4279040.00	181.06761	(14021108)		
628100.00	4279060.00	231.83959	(17122909)	628120.00
4279060.00	237.59613	(17122909)		
628140.00	4279060.00	243.68793	(17122909)	628160.00
4279060.00	250.10422	(17122909)		
628180.00	4279060.00	256.88904	(17122909)	628200.00
4279060.00	264.09363	(17122909)		
628220.00	4279060.00	271.69999	(17122909)	628240.00
4279060.00	279.97953	(17122909)		
629660.00	4279060.00	209.06557	(14021108)	629680.00
4279060.00	203.51012	(14021108)		
629700.00	4279060.00	198.46189	(14021108)	629720.00
4279060.00	193.69726	(14021108)		
629740.00	4279060.00	188.76502	(14021108)	629760.00
4279060.00	183.82885	(14021108)		
629780.00	4279060.00	180.24726	(14021108)	628100.00
4279080.00	229.41770	(17122909)		
628120.00	4279080.00	235.10349	(17122909)	628140.00
4279080.00	241.04341	(17122909)		
628160.00	4279080.00	247.23499	(17122909)	628180.00
4279080.00	253.82634	(17122909)		
628200.00	4279080.00	260.73547	(17122909)	628220.00
4279080.00	268.18943	(17122909)		
628300.00	4279080.00	302.97513	(17122909)	628320.00
4279080.00	313.73054	(17122909)		
628340.00	4279080.00	325.60061	(17122909)	628360.00
4279080.00	338.59575	(17122909)		
629640.00	4279080.00	214.90679	(14021108)	629660.00
4279080.00	209.32945	(14021108)		
629680.00	4279080.00	203.78784	(14021108)	629700.00
4279080.00	199.60406	(14021108)		
629720.00	4279080.00	193.44564	(14021108)	628100.00
4279100.00	226.25029	(17122909)		
628120.00	4279100.00	231.90182	(17122909)	628140.00
4279100.00	237.81402	(17122909)		
628160.00	4279100.00	244.02733	(17122909)	628180.00
4279100.00	250.55456	(17122909)		

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628200.00	4279100.00	257.51147	(17122909)	628220.00
4279100.00	264.98857	(17122909)		
628300.00	4279100.00	300.07579	(17122909)	628320.00
4279100.00	311.06478	(17122909)		
628340.00	4279100.00	323.10766	(17122909)	628360.00
4279100.00	336.35301	(17122909)		
629620.00	4279100.00	220.02406	(14021108)	629640.00
4279100.00	214.96798	(14021108)		
629660.00	4279100.00	208.91909	(14021108)	629680.00
4279100.00	204.22618	(14021108)		
629700.00	4279100.00	199.59015	(14021108)	628080.00
4279120.00	216.84656	(17122909)		
628100.00	4279120.00	222.37364	(17122909)	628120.00
4279120.00	228.11658	(17122909)		
628140.00	4279120.00	234.10953	(17122909)	628160.00
4279120.00	240.39842	(17122909)		
628180.00	4279120.00	247.05134	(17122909)	628200.00
4279120.00	254.04830	(17122909)		
628220.00	4279120.00	261.62607	(17122909)	628300.00
4279120.00	297.19754	(17122909)		
628320.00	4279120.00	308.26109	(17122909)	628340.00
4279120.00	320.44954	(17122909)		
628360.00	4279120.00	333.85816	(17122909)	629600.00
4279120.00	224.69366	(14021108)		
629620.00	4279120.00	220.06740	(14021108)	629640.00
4279120.00	214.71541	(14021108)		
629660.00	4279120.00	208.20829	(14021108)	629680.00
4279120.00	203.80526	(14021108)		

▲ *** AERMOD - VERSION 21112 *** ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_INV ***
INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M)

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Y-COORD (M)	CONC	(YYMMDDHH)		
629700.00	4279120.00	198.70682	(14021108)	628080.00
4279140.00	212.10687	(17122909)		
628100.00	4279140.00	217.71971	(17122909)	628120.00
4279140.00	223.56140	(17122909)		
628140.00	4279140.00	229.68675	(17122909)	628160.00
4279140.00	236.12926	(17122909)		
628180.00	4279140.00	242.89774	(17122909)	628200.00
4279140.00	250.05799	(17122909)		
628220.00	4279140.00	257.72581	(17122909)	628300.00
4279140.00	293.75975	(17122909)		
628320.00	4279140.00	304.92530	(17122909)	628340.00
4279140.00	317.19503	(17122909)		
628360.00	4279140.00	330.65559	(17122909)	629580.00
4279140.00	231.46566	(14021108)		
629600.00	4279140.00	226.31208	(14021108)	629620.00
4279140.00	219.42332	(14021108)		
629640.00	4279140.00	213.26741	(14021108)	629660.00
4279140.00	207.39389	(14021108)		
629680.00	4279140.00	202.47967	(14021108)	629700.00
4279140.00	196.61355	(14021108)		
628060.00	4279160.00	200.84131	(17122909)	628080.00
4279160.00	206.33869	(17122909)		
628100.00	4279160.00	212.07499	(17122909)	628120.00
4279160.00	218.06495	(17122909)		
628140.00	4279160.00	224.34824	(17122909)	628160.00
4279160.00	230.93579	(17122909)		
628180.00	4279160.00	237.85499	(17122909)	628200.00
4279160.00	245.17655	(17122909)		
628220.00	4279160.00	252.94717	(17122909)	629580.00
4279160.00	231.77323	(14021108)		
629600.00	4279160.00	224.37898	(14021108)	629620.00
4279160.00	217.53968	(14021108)		
629640.00	4279160.00	211.13720	(14021108)	629660.00
4279160.00	205.11983	(14021108)		
629680.00	4279160.00	199.20023	(14021108)	628060.00
4279180.00	193.83034	(17122909)		
628080.00	4279180.00	199.44201	(17122909)	628100.00
4279180.00	205.30734	(17122909)		
628120.00	4279180.00	211.44521	(17122909)	628140.00
4279180.00	217.86523	(17122909)		
628160.00	4279180.00	224.62175	(17122909)	628180.00
4279180.00	231.72276	(17122909)		
628200.00	4279180.00	239.20177	(17122909)	628220.00
4279180.00	247.11357	(17122909)		
628060.00	4279200.00	185.54471	(17122909)	628080.00

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4279200.00	191.22935	(17122909)		
628100.00	4279200.00	197.19651	(17122909)	628120.00
4279200.00	203.46411	(17122909)		
628140.00	4279200.00	210.02535	(17122909)	628160.00
4279200.00	216.93426	(17122909)		
628180.00	4279200.00	224.19919	(17122909)	628200.00
4279200.00	231.86232	(17122909)		
628220.00	4279200.00	239.97740	(17122909)	628040.00
4279220.00	170.42974	(17122909)		
628060.00	4279220.00	175.86563	(17122909)	628080.00
4279220.00	181.57993	(17122909)		
628100.00	4279220.00	187.59246	(17122909)	628120.00
4279220.00	193.91206	(17122909)		
628140.00	4279220.00	200.56728	(17122909)	628160.00
4279220.00	207.60531	(17122909)		
628180.00	4279220.00	215.02740	(17122909)	628200.00
4279220.00	222.87947	(17122909)		
628220.00	4279220.00	231.21074	(17122909)	628240.00
4279220.00	240.18930	(17122909)		
628040.00	4279240.00	159.40018	(17122909)	628060.00
4279240.00	164.76085	(17122909)		
628080.00	4279240.00	170.40047	(17122909)	628100.00
4279240.00	176.35793	(17122909)		
628120.00	4279240.00	182.67193	(17122909)	628140.00
4279240.00	189.33061	(17122909)		
628160.00	4279240.00	196.41130	(17122909)	628180.00
4279240.00	203.91525	(17122909)		
628200.00	4279240.00	211.89960	(17122909)	628220.00
4279240.00	220.38378	(17122909)		
628240.00	4279240.00	229.50492	(17122909)	629560.00
4279240.00	231.36510	(15030408)		
628040.00	4279260.00	158.49698	(16022421)	628060.00
4279260.00	162.19740	(16022421)		
628080.00	4279260.00	166.31833	(15011009)	628100.00
4279260.00	170.77802	(15011009)		

▲ *** AERMOD - VERSION 21112 *** **

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*** 17:40:15

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_INV ***
INCLUDING SOURCE(S): C_INV ,

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)
4279260.00	628120.00	4279260.00	175.42583	(15011009)	628140.00
4279260.00	628160.00	4279260.00	185.38607	(15011009)	628180.00
4279260.00	628200.00	4279260.00	198.61092	(17122909)	628220.00
4279260.00	628240.00	4279260.00	216.33457	(17122909)	629540.00
4279260.00	629560.00	4279260.00	230.99149	(15030408)	629580.00
4279260.00	629600.00	4279260.00	213.45249	(15030408)	628080.00
4279280.00	628100.00	4279280.00	172.89372	(15011009)	628120.00
4279280.00	628140.00	4279280.00	182.14952	(15011009)	628160.00
4279280.00	628180.00	4279280.00	192.32599	(15011009)	628200.00
4279280.00	628220.00	4279280.00	203.71454	(15011009)	629520.00
4279280.00	629540.00	4279280.00	230.18413	(15030408)	629560.00
4279280.00	629580.00	4279280.00	220.07832	(15030408)	629600.00
4279280.00	629620.00	4279280.00	206.56031	(15030408)	629640.00
4279280.00	629520.00	4279300.00	230.87120	(15030408)	629540.00
4279300.00	629560.00	4279300.00	220.65740	(15030408)	629580.00
4279300.00	629600.00	4279300.00	212.23044	(15030408)	629620.00
4279300.00	629640.00	4279300.00	200.26847	(15030408)	629660.00
4279300.00	629520.00	4279320.00	228.26962	(15030408)	629540.00
4279320.00	629560.00	4279320.00	218.81038	(15030408)	629580.00
4279320.00	629580.00	4279320.00	218.81038	(15030408)	629580.00

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629600.00	4279320.00	208.42425	(15030408)	629620.00
4279320.00	203.86347	(15030408)		
629640.00	4279320.00	199.24026	(15030408)	629660.00
4279320.00	193.11985	(15030408)		
629680.00	4279320.00	189.28228	(15030408)	629700.00
4279320.00	183.37125	(15030408)		
629520.00	4279340.00	228.55005	(15030408)	629540.00
4279340.00	221.83775	(15030408)		
629560.00	4279340.00	216.82256	(15030408)	629580.00
4279340.00	211.24641	(15030408)		
629600.00	4279340.00	207.08640	(15030408)	629620.00
4279340.00	202.21469	(15030408)		
629640.00	4279340.00	197.28057	(15030408)	629660.00
4279340.00	192.88422	(15030408)		
629680.00	4279340.00	189.08382	(15030408)	629700.00
4279340.00	184.22823	(15030408)		
629720.00	4279340.00	179.10018	(15030408)	629740.00
4279340.00	174.42638	(15030408)		
629760.00	4279340.00	169.88840	(15030408)	629520.00
4279360.00	229.51432	(15030408)		
629540.00	4279360.00	221.25312	(15030408)	629560.00
4279360.00	215.42772	(15030408)		
629580.00	4279360.00	209.22981	(15030408)	629600.00
4279360.00	205.59063	(15030408)		
629620.00	4279360.00	201.75731	(15030408)	629640.00
4279360.00	197.35675	(15030408)		
629660.00	4279360.00	192.31832	(15030408)	629680.00
4279360.00	187.83594	(15030408)		
629700.00	4279360.00	183.71725	(15030408)	629720.00
4279360.00	179.24935	(15030408)		
629740.00	4279360.00	174.99998	(15030408)	629760.00
4279360.00	170.77267	(15030408)		
629520.00	4279380.00	230.98791	(15030408)	629540.00
4279380.00	222.13716	(15030408)		
629560.00	4279380.00	215.51280	(15030408)	629580.00
4279380.00	209.15740	(15030408)		
629600.00	4279380.00	204.77801	(15030408)	629620.00
4279380.00	200.45545	(15030408)		
629640.00	4279380.00	196.05934	(15030408)	629660.00
4279380.00	191.84550	(15030408)		
629680.00	4279380.00	187.37246	(15030408)	629700.00
4279380.00	183.28614	(15030408)		

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***

*** 17:40:15

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: C_INV ***

INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629720.00	4279380.00	178.27644	(15030408)	629740.00
4279380.00	174.83915	(15030408)		
629520.00	4279400.00	233.08333	(15030408)	629540.00
4279400.00	224.26455	(15030408)		
629560.00	4279400.00	216.75187	(15030408)	629580.00
4279400.00	209.36296	(15030408)		
629600.00	4279400.00	204.69767	(15030408)	629620.00
4279400.00	200.21217	(15030408)		
629640.00	4279400.00	195.77927	(15030408)	629660.00
4279400.00	191.49779	(15030408)		
629680.00	4279400.00	186.41967	(15030408)	629700.00
4279400.00	183.21904	(15030408)		
629720.00	4279400.00	178.51171	(15030408)	629040.00
4279420.00	415.60228	(15030408)		
629060.00	4279420.00	412.39444	(15030408)	629520.00
4279420.00	235.41025	(15030408)		
629540.00	4279420.00	227.03000	(15030408)	629560.00
4279420.00	218.84169	(15030408)		
629580.00	4279420.00	211.15186	(15030408)	629600.00
4279420.00	205.85527	(15030408)		
629620.00	4279420.00	200.78427	(15030408)	629640.00
4279420.00	195.68407	(15030408)		
629660.00	4279420.00	191.07909	(15030408)	629680.00
4279420.00	186.25718	(15030408)		
629700.00	4279420.00	182.96021	(15030408)	629040.00
4279440.00	398.47962	(15030408)		
629060.00	4279440.00	403.94749	(15030408)	629580.00
4279440.00	213.42227	(15030408)		
629600.00	4279440.00	206.64510	(15030408)	629620.00
4279440.00	201.30567	(15030408)		
629640.00	4279440.00	195.44319	(15030408)	629660.00

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4279440.00	190.95229	(15030408)		
629680.00	4279440.00	185.54199	(15030408)	629580.00
4279460.00	216.12347	(15030408)		
629600.00	4279460.00	209.46729	(15030408)	629620.00
4279460.00	202.85830	(15030408)		
629640.00	4279460.00	197.58527	(15030408)	629660.00
4279460.00	192.11899	(15030408)		
629140.00	4279680.00	273.93757	(15010709)	629160.00
4279680.00	250.72099	(15010709)		
629180.00	4279680.00	231.16647	(15010709)	629200.00
4279680.00	222.20560	(15030408)		
629140.00	4279700.00	263.51124	(15010709)	629160.00
4279700.00	242.81287	(15010709)		
629180.00	4279700.00	223.36670	(15010709)	629200.00
4279700.00	214.10765	(16010809)		
629220.00	4279700.00	212.39977	(15030408)	629240.00
4279700.00	219.80947	(15030408)		
629260.00	4279700.00	226.01633	(15030408)	629280.00
4279700.00	230.90524	(15030408)		
629300.00	4279700.00	235.28427	(15030408)	629320.00
4279700.00	239.18500	(15030408)		
629340.00	4279700.00	242.54871	(15030408)	629360.00
4279700.00	245.13954	(15030408)		
629380.00	4279700.00	246.91920	(15030408)	629400.00
4279700.00	247.86241	(15030408)		
629420.00	4279700.00	249.64517	(15030408)	629140.00
4279720.00	253.54660	(15010709)		
629160.00	4279720.00	234.81885	(15010709)	629180.00
4279720.00	216.01687	(15010709)		
629200.00	4279720.00	207.63764	(16010809)	629220.00
4279720.00	206.87579	(16010809)		
629240.00	4279720.00	204.63255	(16010809)	629260.00
4279720.00	210.92673	(15030408)		
629280.00	4279720.00	216.94055	(15030408)	629300.00
4279720.00	221.49039	(15030408)		
629320.00	4279720.00	226.20842	(15030408)	629340.00
4279720.00	230.52537	(15030408)		
629360.00	4279720.00	234.21903	(15030408)	629380.00
4279720.00	237.07103	(15030408)		
629400.00	4279720.00	238.83719	(15030408)	629420.00
4279720.00	240.35717	(15030408)		
629140.00	4279740.00	244.36332	(15010709)	629160.00
4279740.00	227.09048	(15010709)		
629180.00	4279740.00	209.17439	(15010709)	629200.00
4279740.00	200.81433	(16010809)		
629220.00	4279740.00	200.86569	(16010809)	629240.00
4279740.00	199.87988	(16010809)		
629260.00	4279740.00	197.55094	(16010809)	629280.00

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4279740.00 201.88997 (15030408)

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

VALUES FOR SOURCE GROUP: C_INV *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION ***

INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629300.00	4279740.00	207.75202	(15030408)	629320.00
4279740.00	213.59364	(15030408)		
629340.00	4279740.00	218.51030	(15030408)	629360.00
4279740.00	222.80921	(15030408)		
629380.00	4279740.00	226.35591	(15030408)	629400.00
4279740.00	229.02302	(15030408)		
629420.00	4279740.00	231.18604	(15030408)	628920.00
4279760.00	256.20764	(14121409)		
628940.00	4279760.00	253.41277	(14121409)	628960.00
4279760.00	249.48348	(14121409)		
628980.00	4279760.00	243.88393	(14121409)	629000.00
4279760.00	236.25682	(14121409)		
629020.00	4279760.00	234.39652	(15010709)	629040.00
4279760.00	239.63509	(15010709)		
629060.00	4279760.00	245.19703	(15010709)	629080.00
4279760.00	250.31630	(15010709)		
629100.00	4279760.00	252.31002	(15010709)	629120.00
4279760.00	248.12724	(15010709)		
629140.00	4279760.00	236.10331	(15010709)	629160.00
4279760.00	221.20431	(15010709)		
629180.00	4279760.00	203.25279	(15010709)	629200.00
4279760.00	194.70393	(16010809)		
629220.00	4279760.00	195.88368	(16010809)	629240.00
4279760.00	195.44576	(16010809)		

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629260.00	4279760.00	193.68257	(16010809)	629280.00
4279760.00	191.47823	(16010809)		
629300.00	4279760.00	194.58719	(15030408)	629320.00
4279760.00	200.93775	(15030408)		
629340.00	4279760.00	206.38035	(15030408)	629360.00
4279760.00	211.06769	(15030408)		
629380.00	4279760.00	215.16223	(15030408)	629400.00
4279760.00	218.68512	(15030408)		
629420.00	4279760.00	221.58835	(15030408)	628920.00
4279780.00	250.10198	(14121409)		
628940.00	4279780.00	246.85336	(14121409)	628960.00
4279780.00	242.03358	(14121409)		
628980.00	4279780.00	235.53794	(14121409)	629000.00
4279780.00	226.96396	(14121409)		
629020.00	4279780.00	230.50464	(15010709)	629040.00
4279780.00	235.59201	(15010709)		
629060.00	4279780.00	240.65430	(15010709)	629080.00
4279780.00	244.72212	(15010709)		
629100.00	4279780.00	245.55868	(15010709)	629120.00
4279780.00	240.53890	(15010709)		
629140.00	4279780.00	228.92501	(15010709)	629160.00
4279780.00	214.38894	(15010709)		
629180.00	4279780.00	197.20203	(15010709)	629200.00
4279780.00	189.37144	(16010809)		
629220.00	4279780.00	190.53448	(16010809)	629240.00
4279780.00	190.50980	(16010809)		
629260.00	4279780.00	189.83246	(16010809)	629280.00
4279780.00	188.47153	(16010809)		
629300.00	4279780.00	187.04748	(16010809)	629320.00
4279780.00	188.21077	(15030408)		
629340.00	4279780.00	193.92796	(15030408)	629360.00
4279780.00	199.06084	(15030408)		
629380.00	4279780.00	203.76842	(15030408)	629400.00
4279780.00	208.02000	(15030408)		
628920.00	4279800.00	243.92875	(14121409)	628940.00
4279800.00	239.89521	(14121409)		
628960.00	4279800.00	234.39009	(14121409)	628980.00
4279800.00	227.05575	(14121409)		
629000.00	4279800.00	221.97415	(15010709)	629020.00
4279800.00	226.73764	(15010709)		
629040.00	4279800.00	231.58976	(15010709)	629060.00
4279800.00	236.09953	(15010709)		
629080.00	4279800.00	239.12818	(15010709)	629100.00
4279800.00	238.77096	(15010709)		
629120.00	4279800.00	233.10005	(15010709)	629140.00
4279800.00	221.86396	(15010709)		
629160.00	4279800.00	207.87474	(15010709)	629180.00
4279800.00	191.37323	(15010709)		

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629200.00	4279800.00	183.88423	(16010809)	629220.00
4279800.00	185.23314	(16010809)		
629240.00	4279800.00	185.55981	(16010809)	629260.00
4279800.00	185.72615	(16010809)		
629280.00	4279800.00	184.83666	(16010809)	629300.00
4279800.00	183.65542	(16010809)		
629320.00	4279800.00	182.37097	(16010809)	629340.00
4279800.00	181.50564	(15030408)		

▲ *** AERMOD - VERSION 21112 *** ***

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*** 17:40:15

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: C_INV ***
INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629360.00	4279800.00	186.89329	(15030408)	629380.00
4279800.00	192.32683	(15030408)		
628920.00	4279820.00	237.50640	(14121409)	628940.00
4279820.00	232.86984	(14121409)		
628960.00	4279820.00	226.63992	(14121409)	628980.00
4279820.00	218.45553	(14121409)		
629000.00	4279820.00	218.24852	(15010709)	629020.00
4279820.00	222.75163	(15010709)		
629040.00	4279820.00	227.09519	(15010709)	629060.00
4279820.00	231.51427	(15010709)		
629080.00	4279820.00	233.59490	(15010709)	629100.00
4279820.00	232.23892	(15010709)		
629120.00	4279820.00	225.92092	(15010709)	629140.00
4279820.00	214.92596	(15010709)		
629160.00	4279820.00	201.61893	(15010709)	629180.00
4279820.00	185.69707	(15010709)		
629200.00	4279820.00	179.12141	(16010809)	629220.00

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4279820.00	180.53441	(16010809)		
629240.00	4279820.00	181.42807	(16010809)	629260.00
4279820.00	181.86535	(16010809)		
629280.00	4279820.00	181.46439	(16010809)	629300.00
4279820.00	180.54726	(16010809)		
629320.00	4279820.00	179.32630	(16010809)	629340.00
4279820.00	177.70068	(16010809)		
629360.00	4279820.00	176.08342	(16010809)	628920.00
4279840.00	231.04541	(14121409)		
628940.00	4279840.00	225.77132	(14121409)	628960.00
4279840.00	218.77640	(14121409)		
628980.00	4279840.00	210.61674	(15010709)	629000.00
4279840.00	215.10237	(15010709)		
629020.00	4279840.00	219.58171	(15010709)	629040.00
4279840.00	223.68638	(15010709)		
629060.00	4279840.00	226.64878	(15010709)	629080.00
4279840.00	227.98297	(15010709)		
629100.00	4279840.00	225.55333	(15010709)	629120.00
4279840.00	219.05694	(15010709)		
629140.00	4279840.00	208.53875	(15010709)	629160.00
4279840.00	195.46414	(15010709)		
629180.00	4279840.00	180.24474	(15010709)	629200.00
4279840.00	174.94034	(16010809)		
629220.00	4279840.00	176.35009	(16010809)	629240.00
4279840.00	177.39196	(16010809)		
629260.00	4279840.00	178.10163	(16010809)	629280.00
4279840.00	177.88124	(16010809)		
629300.00	4279840.00	177.30669	(16010809)	629320.00
4279840.00	176.36348	(16010809)		
629340.00	4279840.00	175.10220	(16010809)	629360.00
4279840.00	173.71009	(16010809)		
628920.00	4279860.00	224.47269	(14121409)	628940.00
4279860.00	218.56769	(14121409)		
628960.00	4279860.00	210.48553	(14121409)	628980.00
4279860.00	207.49718	(15010709)		
629000.00	4279860.00	211.88381	(15010709)	629020.00
4279860.00	216.09221	(15010709)		
629040.00	4279860.00	219.82677	(15010709)	629060.00
4279860.00	222.36544	(15010709)		
629080.00	4279860.00	222.86258	(15010709)	629100.00
4279860.00	219.58236	(15010709)		
629120.00	4279860.00	212.83431	(15010709)	629140.00
4279860.00	202.23209	(15010709)		
629160.00	4279860.00	189.06998	(15010709)	629180.00
4279860.00	174.64127	(15010709)		
629200.00	4279860.00	170.39972	(16010809)	629220.00
4279860.00	172.31243	(16010809)		
629240.00	4279860.00	173.62874	(16010809)	629260.00

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4279860.00	174.27013	(16010809)			
	629280.00	4279860.00	174.11742	(16010809)	629300.00
4279860.00	173.82747	(16010809)			
	629320.00	4279860.00	173.26545	(16010809)	629340.00
4279860.00	172.48199	(16010809)			
	628920.00	4279880.00	217.88021	(14121409)	628940.00
4279880.00	211.25564	(14121409)			
	628960.00	4279880.00	202.20267	(14121409)	628980.00
4279880.00	204.39182	(15010709)			
	629000.00	4279880.00	208.71327	(15010709)	629020.00
4279880.00	212.65873	(15010709)			
	629040.00	4279880.00	215.95480	(15010709)	629060.00
4279880.00	217.95043	(15010709)			
	629080.00	4279880.00	217.70744	(15010709)	629100.00
4279880.00	213.71713	(15010709)			

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***
*** 17:40:15

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

VALUES FOR SOURCE GROUP: C_INV *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
INCLUDING SOURCE(S): C_INV ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629120.00	4279880.00	206.97197	(15010709)	629140.00
4279880.00	196.71488	(15010709)		
629160.00	4279880.00	183.82794	(15010709)	629180.00
4279880.00	169.81198	(15010709)		
629200.00	4279880.00	167.29825	(16010809)	629220.00
4279880.00	168.54859	(16010809)		
629240.00	4279880.00	169.78195	(16010809)	629260.00
4279880.00	170.51855	(16010809)		
629280.00	4279880.00	170.62301	(16010809)	629300.00
4279880.00	170.56833	(16010809)		

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629320.00	4279880.00	170.25927	(16010809)	628920.00
4279900.00	211.11177	(14121409)		
628940.00	4279900.00	203.82847	(14121409)	628960.00
4279900.00	196.90406	(15010709)		
628980.00	4279900.00	201.36855	(15010709)	629000.00
4279900.00	205.61984	(15010709)		
629020.00	4279900.00	209.27478	(15010709)	629040.00
4279900.00	212.12593	(15010709)		
629060.00	4279900.00	213.54095	(15010709)	629080.00
4279900.00	212.71029	(15010709)		
629100.00	4279900.00	208.09110	(15010709)	629120.00
4279900.00	201.24694	(15010709)		
629140.00	4279900.00	190.97077	(15010709)	629160.00
4279900.00	178.89010	(15010709)		
629180.00	4279900.00	165.38264	(15010709)	629200.00
4279900.00	164.18112	(16010809)		
629220.00	4279900.00	165.04572	(16010809)	629240.00
4279900.00	166.00616	(16010809)		
629260.00	4279900.00	166.53314	(16010809)	629280.00
4279900.00	167.39326	(16010809)		
629300.00	4279900.00	167.56012	(16010809)	628920.00
4279920.00	204.38068	(14121409)		
628940.00	4279920.00	196.30611	(14121409)	628960.00
4279920.00	194.65981	(15010709)		
628980.00	4279920.00	198.74833	(15010709)	629000.00
4279920.00	202.59134	(15010709)		
629020.00	4279920.00	205.93311	(15010709)	629040.00
4279920.00	208.34542	(15010709)		
629060.00	4279920.00	209.22009	(15010709)	629080.00
4279920.00	207.86141	(15010709)		
629100.00	4279920.00	202.94683	(15010709)	629120.00
4279920.00	195.57691	(15010709)		
629140.00	4279920.00	185.75743	(15010709)	629160.00
4279920.00	174.12182	(15010709)		
629180.00	4279920.00	161.35026	(15010709)	629200.00
4279920.00	161.37414	(16010809)		
629220.00	4279920.00	161.78307	(16010809)	629240.00
4279920.00	162.76393	(16010809)		
629260.00	4279920.00	163.46146	(16010809)	629540.00
4278840.00	311.96578	(18012609)		
629540.00	4278820.00	319.63152	(18012609)	629560.00
4278820.00	304.19510	(18012609)		
629580.00	4278820.00	288.49206	(18012609)	629560.00
4278840.00	296.02725	(18012609)		

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): C_INV , C_CNU

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629540.00	4278320.00	494.94485	(16010409)	629560.00
4278320.00	475.61180	(16010409)		
629540.00	4278340.00	488.74262	(16010409)	629560.00
4278340.00	470.60326	(18012609)		
629580.00	4278340.00	471.18762	(18012609)	629520.00
4278360.00	502.97337	(16010409)		
629540.00	4278360.00	491.41440	(18012609)	629560.00
4278360.00	490.67717	(18012609)		
629580.00	4278360.00	488.34851	(18012609)	629600.00
4278360.00	484.34987	(18012609)		
629620.00	4278360.00	478.76954	(18012609)	629640.00
4278360.00	471.25532	(18012609)		
629660.00	4278360.00	462.70770	(18012609)	629680.00
4278360.00	452.50809	(18012609)		
629700.00	4278360.00	441.68799	(18012609)	629720.00
4278360.00	429.46660	(18012609)		
629520.00	4278380.00	512.98432	(18012609)	629540.00
4278380.00	510.83612	(18012609)		
629560.00	4278380.00	507.06526	(18012609)	629580.00
4278380.00	501.66808	(18012609)		
629600.00	4278380.00	494.60362	(18012609)	629620.00
4278380.00	485.87004	(18012609)		
629640.00	4278380.00	475.74982	(18012609)	629660.00
4278380.00	464.21387	(18012609)		
629680.00	4278380.00	451.59646	(18012609)	629700.00
4278380.00	438.05225	(18012609)		
629720.00	4278380.00	424.03326	(18012609)	629500.00
4278400.00	535.18798	(18012609)		

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629520.00	4278400.00	531.68927	(18012609)	629540.00
4278400.00	526.53550	(18012609)		
629560.00	4278400.00	519.51831	(18012609)	629580.00
4278400.00	510.71728	(18012609)		
629600.00	4278400.00	500.55717	(18012609)	629620.00
4278400.00	488.55955	(18012609)		
629640.00	4278400.00	475.34206	(18012609)	629660.00
4278400.00	461.07325	(18012609)		
629680.00	4278400.00	446.06586	(18012609)	629700.00
4278400.00	430.45666	(18012609)		
629720.00	4278400.00	414.71815	(18012609)	629480.00
4278420.00	558.01987	(18012609)		
629500.00	4278420.00	553.27211	(18012609)	629520.00
4278420.00	546.53771	(18012609)		
629540.00	4278420.00	537.92745	(18012609)	629560.00
4278420.00	527.51073	(18012609)		
629580.00	4278420.00	515.27865	(18012609)	629600.00
4278420.00	501.58608	(18012609)		
629620.00	4278420.00	486.45668	(18012609)	629640.00
4278420.00	470.41717	(18012609)		
629660.00	4278420.00	453.70445	(18012609)	629680.00
4278420.00	436.65369	(18012609)		
629700.00	4278420.00	419.43903	(18012609)	629720.00
4278420.00	402.35751	(18012609)		
629480.00	4278440.00	575.67592	(18012609)	629500.00
4278440.00	567.34563	(18012609)		
629520.00	4278440.00	557.07012	(18012609)	629540.00
4278440.00	544.67847	(18012609)		
629560.00	4278440.00	530.42300	(18012609)	629580.00
4278440.00	514.68251	(18012609)		
629600.00	4278440.00	497.56853	(18012609)	629620.00
4278440.00	479.46286	(18012609)		
629640.00	4278440.00	460.86794	(18012609)	629660.00
4278440.00	442.20808	(18012609)		
629680.00	4278440.00	423.70101	(18012609)	629700.00
4278440.00	405.36417	(18012609)		
629720.00	4278440.00	387.77815	(18012609)	629460.00
4278460.00	599.02427	(18012609)		
629480.00	4278460.00	589.20624	(18012609)	629500.00
4278460.00	577.13954	(18012609)		
629520.00	4278460.00	562.62978	(18012609)	629540.00
4278460.00	546.05495	(18012609)		
629560.00	4278460.00	527.82794	(18012609)	629580.00
4278460.00	508.50418	(18012609)		
629600.00	4278460.00	488.32118	(18012609)	629620.00
4278460.00	467.79528	(18012609)		
629640.00	4278460.00	447.26686	(18012609)	629660.00
4278460.00	427.26039	(18012609)		

Natomas_CSTN_062921

629680.00 4278460.00 407.98248 (18012609) 629700.00
 4278460.00 389.38845 (18012609)
 629720.00 4278460.00 371.62266 (18012609) 629440.00
 4278480.00 623.03257 (18012609)

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **
 *** 17:40:15

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): C_INV , C_CNU

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629460.00	4278480.00	612.37521	(18012609)	629480.00
4278480.00	598.39158	(18012609)		
629500.00	4278480.00	581.58797	(18012609)	629520.00
4278480.00	562.21946	(18012609)		
629540.00	4278480.00	541.22277	(18012609)	629560.00
4278480.00	519.13864	(18012609)		
629580.00	4278480.00	496.65665	(18012609)	629600.00
4278480.00	474.07800	(18012609)		
629620.00	4278480.00	451.78534	(18012609)	629640.00
4278480.00	430.40699	(18012609)		
629660.00	4278480.00	409.87944	(18012609)	629680.00
4278480.00	390.57071	(18012609)		
629700.00	4278480.00	374.52797	(14120621)	629720.00
4278480.00	365.40778	(14120621)		
629440.00	4278500.00	636.71144	(18012609)	629460.00
4278500.00	621.19601	(18012609)		
629480.00	4278500.00	601.41140	(18012609)	629500.00
4278500.00	578.99847	(18012609)		
629520.00	4278500.00	554.69868	(18012609)	629540.00
4278500.00	529.58860	(18012609)		

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629560.00	4278500.00	504.36225	(18012609)	629580.00
4278500.00	479.81166	(18012609)		
629600.00	4278500.00	455.83304	(18012609)	629620.00
4278500.00	432.80604	(18012609)		
629640.00	4278500.00	411.16821	(18012609)	629660.00
4278500.00	394.87466	(14120621)		
629680.00	4278500.00	384.52690	(14120621)	629700.00
4278500.00	374.19759	(14120621)		
629720.00	4278500.00	363.75297	(14120621)	629420.00
4278520.00	662.90377	(18012609)		
629440.00	4278520.00	645.89666	(18012609)	629460.00
4278520.00	623.01106	(18012609)		
629480.00	4278520.00	596.32348	(18012609)	629500.00
4278520.00	568.17888	(18012609)		
629520.00	4278520.00	539.55244	(18012609)	629540.00
4278520.00	511.56709	(18012609)		
629560.00	4278520.00	484.53765	(18012609)	629580.00
4278520.00	459.12005	(18012609)		
629600.00	4278520.00	434.96899	(18012609)	629620.00
4278520.00	417.50582	(14120621)		
629640.00	4278520.00	405.49823	(14120621)	629660.00
4278520.00	393.67291	(14120621)		
629680.00	4278520.00	382.49615	(15121621)	629700.00
4278520.00	373.57626	(15121621)		
629720.00	4278520.00	364.50620	(15121621)	629420.00
4278540.00	670.36660	(18012609)		
629440.00	4278540.00	644.59914	(18012609)	629460.00
4278540.00	613.16737	(18012609)		
629480.00	4278540.00	580.92460	(18012609)	629500.00
4278540.00	549.03333	(18012609)		
629520.00	4278540.00	518.15818	(18012609)	629540.00
4278540.00	488.69599	(18012609)		
629560.00	4278540.00	461.46376	(18012609)	629580.00
4278540.00	442.93288	(14120621)		
629600.00	4278540.00	428.96663	(14120621)	629620.00
4278540.00	415.32793	(14120621)		
629640.00	4278540.00	404.47664	(15121621)	629660.00
4278540.00	394.04001	(15121621)		
629680.00	4278540.00	383.75720	(15121621)	629700.00
4278540.00	373.61684	(15121621)		
629720.00	4278540.00	365.57231	(15011022)	629460.00
4278560.00	592.09948	(18012609)		
629480.00	4278560.00	557.10872	(18012609)	629500.00
4278560.00	523.34404	(18012609)		
629520.00	4278560.00	492.07366	(18012609)	629540.00
4278560.00	471.43844	(14120621)		
629560.00	4278560.00	455.24142	(14120621)	629580.00
4278560.00	441.26196	(15121621)		

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629600.00	4278560.00	428.82544	(15121621)	629620.00
4278560.00	416.47044	(15121621)		
629640.00	4278560.00	405.29486	(15011022)	629660.00
4278560.00	396.66755	(15011022)		
629680.00	4278560.00	388.15664	(15011022)	629700.00
4278560.00	379.78601	(15011022)		
629720.00	4278560.00	371.19790	(15011022)	629480.00
4278580.00	527.18157	(18012609)		
629500.00	4278580.00	504.13215	(14120621)	629520.00
4278580.00	485.65206	(15121621)		
629540.00	4278580.00	470.31745	(15121621)	629560.00
4278580.00	455.58997	(15121621)		

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***

*** 17:40:15

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION ***

INCLUDING SOURCE(S): C_INV , C_CNU

,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629580.00	4278580.00	443.91655	(15011022)	629600.00
4278580.00	433.29707	(15011022)		
629620.00	4278580.00	422.70319	(15011022)	629640.00
4278580.00	412.29661	(15011022)		
629660.00	4278580.00	402.49986	(17012920)	629680.00
4278580.00	393.38489	(17012920)		
629700.00	4278580.00	384.40859	(17012920)	629720.00
4278580.00	375.42607	(17012920)		
629520.00	4278600.00	490.03818	(15011022)	629540.00
4278600.00	476.60506	(15011022)		
629560.00	4278600.00	463.57885	(15011022)	629580.00
4278600.00	451.06879	(17012920)		

Natomas_CSTN_062921

629600.00	4278600.00	439.38023	(17012920)	629620.00
4278600.00	428.19144	(17012920)		
629640.00	4278600.00	417.27460	(15020408)	629660.00
4278600.00	408.54924	(15020408)		
629680.00	4278600.00	400.10830	(15020408)	629700.00
4278600.00	391.78671	(15020408)		
629720.00	4278600.00	383.57876	(15020408)	629620.00
4278620.00	436.82615	(15020408)		
629640.00	4278620.00	426.42319	(15020408)	629660.00
4278620.00	416.33125	(15020408)		
629680.00	4278620.00	406.63422	(15020408)	629700.00
4278620.00	397.13538	(15020408)		
629720.00	4278620.00	388.16193	(15020408)	629000.00
4278200.00	540.21391	(15010209)		
629020.00	4278200.00	546.58432	(15010209)	629040.00
4278200.00	546.27492	(15010209)		
629060.00	4278200.00	540.66782	(15010209)	629060.00
4278220.00	555.38727	(15010209)		
629080.00	4278220.00	541.64102	(15010209)	629100.00
4278220.00	534.01627	(14112608)		
629120.00	4278220.00	576.00607	(14011009)	629140.00
4278220.00	611.87109	(14011009)		
629160.00	4278220.00	639.46128	(14011009)	629180.00
4278220.00	657.80217	(14011009)		
629100.00	4278240.00	578.07709	(14011009)	629120.00
4278240.00	617.52131	(14011009)		
629140.00	4278240.00	649.05424	(14011009)	629160.00
4278240.00	671.64520	(14011009)		
629180.00	4278240.00	685.75954	(14011009)	629200.00
4278240.00	690.89673	(14011009)		
629220.00	4278240.00	689.34647	(14011009)	629240.00
4278240.00	680.89475	(14011009)		
629260.00	4278240.00	667.49428	(14011009)	629280.00
4278240.00	648.86083	(14011009)		
629300.00	4278240.00	625.70604	(14011009)	629320.00
4278240.00	600.71626	(14011009)		
629140.00	4278260.00	687.15015	(14011009)	629160.00
4278260.00	704.29880	(14011009)		
629180.00	4278260.00	712.81020	(14011009)	629200.00
4278260.00	713.33110	(14011009)		
629220.00	4278260.00	706.54880	(14011009)	629240.00
4278260.00	693.79495	(14011009)		
629260.00	4278260.00	676.18840	(14011009)	629280.00
4278260.00	654.02978	(14011009)		
629300.00	4278260.00	627.78606	(14011009)	629320.00
4278260.00	599.86265	(14011009)		
629340.00	4278260.00	568.37490	(14011009)	629360.00
4278260.00	534.69138	(14011009)		

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629380.00	4278260.00	505.20377	(16010409)	629400.00
4278260.00	514.81932	(16010409)		
629420.00	4278260.00	521.02529	(16010409)	629440.00
4278260.00	523.87673	(16010409)		
629460.00	4278260.00	523.69537	(16010409)	629160.00
4278280.00	733.95028	(14011009)		
629180.00	4278280.00	737.57041	(14011009)	629200.00
4278280.00	733.39751	(14011009)		
629220.00	4278280.00	722.15871	(14011009)	629240.00
4278280.00	705.37927	(14011009)		
629260.00	4278280.00	683.89501	(14011009)	629280.00
4278280.00	658.47755	(14011009)		
629300.00	4278280.00	628.95750	(14011009)	629320.00
4278280.00	597.71701	(14011009)		
629340.00	4278280.00	564.00235	(14011009)	629360.00
4278280.00	528.17809	(14011009)		
629380.00	4278280.00	534.32868	(16010409)	629400.00
4278280.00	540.06664	(16010409)		
629420.00	4278280.00	542.31552	(16010409)	629440.00
4278280.00	541.70256	(16010409)		

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 INCLUDING SOURCE(S): C_INV , C_CNU

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629460.00	4278280.00	538.06282	(16010409)	629480.00
4278280.00	531.99731	(16010409)		
629500.00	4278280.00	523.55255	(16010409)	629200.00
4278300.00	750.44590	(14011009)		

Natomas_CSTN_062921

629220.00	4278300.00	734.94935	(14011009)	629240.00
4278300.00	714.30010	(14011009)		
629260.00	4278300.00	689.42510	(14011009)	629280.00
4278300.00	660.90431	(14011009)		
629300.00	4278300.00	628.16669	(14011009)	629320.00
4278300.00	594.69256	(14011009)		
629340.00	4278300.00	558.47875	(14011009)	629360.00
4278300.00	555.21622	(16010409)		
629380.00	4278300.00	560.24197	(16010409)	629400.00
4278300.00	561.94283	(16010409)		
629420.00	4278300.00	560.58452	(16010409)	629440.00
4278300.00	556.22317	(16010409)		
629460.00	4278300.00	549.47428	(16010409)	629480.00
4278300.00	540.11438	(16010409)		
629500.00	4278300.00	528.45224	(16010409)	629520.00
4278300.00	514.65252	(16010409)		
629220.00	4278320.00	745.99904	(14011009)	629240.00
4278320.00	721.95654	(14011009)		
629260.00	4278320.00	693.67071	(14011009)	629280.00
4278320.00	662.14963	(14011009)		
629300.00	4278320.00	626.76756	(14011009)	629320.00
4278320.00	590.27728	(14011009)		
629340.00	4278320.00	577.35894	(16010409)	629360.00
4278320.00	581.64987	(16010409)		
629380.00	4278320.00	582.46514	(16010409)	629400.00
4278320.00	580.37376	(16010409)		
629420.00	4278320.00	575.55072	(16010409)	629440.00
4278320.00	567.85853	(16010409)		
629460.00	4278320.00	557.60218	(16010409)	629480.00
4278320.00	545.05515	(16010409)		
629500.00	4278320.00	530.38739	(16010409)	629520.00
4278320.00	512.90780	(16010409)		
629160.00	4278340.00	810.68931	(14011009)	629240.00
4278340.00	728.08799	(14011009)		
629260.00	4278340.00	696.83058	(14011009)	629280.00
4278340.00	662.13038	(14011009)		
629300.00	4278340.00	623.94223	(14011009)	629320.00
4278340.00	600.93609	(16010409)		
629340.00	4278340.00	604.72443	(16010409)	629360.00
4278340.00	604.30093	(16010409)		
629380.00	4278340.00	601.32592	(16010409)	629400.00
4278340.00	595.55678	(16010409)		
629420.00	4278340.00	587.32283	(16010409)	629440.00
4278340.00	576.20218	(16010409)		
629460.00	4278340.00	562.64701	(16010409)	629480.00
4278340.00	546.97615	(16010409)		
629500.00	4278340.00	529.09919	(16010409)	629140.00
4278360.00	842.53465	(14011009)		

Natomas_CSTN_062921

629160.00	4278360.00	832.50378	(14011009)	629180.00
4278360.00	815.17114	(14011009)		
629260.00	4278360.00	698.69952	(14011009)	629280.00
4278360.00	661.08754	(14011009)		
629300.00	4278360.00	626.46569	(16010409)	629320.00
4278360.00	628.68765	(16010409)		
629340.00	4278360.00	628.44711	(16010409)	629360.00
4278360.00	624.01284	(16010409)		
629380.00	4278360.00	617.22182	(16010409)	629400.00
4278360.00	607.95368	(16010409)		
629420.00	4278360.00	596.03997	(16010409)	629440.00
4278360.00	581.43788	(16010409)		
629460.00	4278360.00	564.65327	(16010409)	629480.00
4278360.00	545.86713	(16010409)		
629500.00	4278360.00	524.47075	(16010409)	629140.00
4278380.00	868.12578	(14011009)		
629160.00	4278380.00	852.65974	(14011009)	629180.00
4278380.00	830.27098	(14011009)		
629200.00	4278380.00	803.23140	(14011009)	629280.00
4278380.00	658.78844	(14011009)		
629300.00	4278380.00	655.51566	(16010409)	629320.00
4278380.00	653.37847	(16010409)		
629340.00	4278380.00	648.47454	(16010409)	629360.00
4278380.00	640.12042	(16010409)		
629380.00	4278380.00	629.76559	(16010409)	629400.00
4278380.00	616.86495	(16010409)		
629420.00	4278380.00	601.52560	(16010409)	629440.00
4278380.00	583.48873	(16010409)		

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***
*** 17:40:15

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): C_INV , C_CNU

,
*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3
**

Natomas_CSTN_062921

X-COORD (M)	Y-COORD (M)	CONC	(YMMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YMMMDDHH)		
629460.00	4278380.00	563.26950	(16010409)	629480.00
4278380.00	541.05219	(16010409)		
629180.00	4278400.00	844.57838	(14011009)	629200.00
4278400.00	813.20850	(14011009)		
629220.00	4278400.00	778.18066	(14011009)	629300.00
4278400.00	680.82204	(16010409)		
629320.00	4278400.00	674.43044	(16010409)	629340.00
4278400.00	665.77658	(16010409)		
629360.00	4278400.00	653.44817	(16010409)	629380.00
4278400.00	639.25907	(16010409)		
629400.00	4278400.00	622.85536	(16010409)	629420.00
4278400.00	603.77945	(16010409)		
629440.00	4278400.00	582.47110	(16010409)	629460.00
4278400.00	559.13303	(16010409)		
629180.00	4278420.00	856.34352	(14011009)	629200.00
4278420.00	822.66726	(14011009)		
629220.00	4278420.00	783.85481	(14011009)	629240.00
4278420.00	742.23331	(14011009)		
629300.00	4278420.00	702.93330	(16010409)	629320.00
4278420.00	692.13962	(16010409)		
629340.00	4278420.00	679.72568	(16010409)	629360.00
4278420.00	664.05766	(16010409)		
629380.00	4278420.00	645.73739	(16010409)	629400.00
4278420.00	625.61216	(16010409)		
629420.00	4278420.00	602.79835	(16010409)	629440.00
4278420.00	578.09507	(16010409)		
629460.00	4278420.00	561.18325	(18012609)	629180.00
4278440.00	867.86468	(14011009)		
629200.00	4278440.00	830.00919	(14011009)	629220.00
4278440.00	788.71474	(14011009)		
629240.00	4278440.00	749.47304	(16010409)	629260.00
4278440.00	742.75095	(16010409)		
629320.00	4278440.00	707.31568	(16010409)	629340.00
4278440.00	690.51839	(16010409)		
629360.00	4278440.00	671.31525	(16010409)	629380.00
4278440.00	649.49463	(16010409)		
629400.00	4278440.00	624.94845	(16010409)	629420.00
4278440.00	598.15871	(16010409)		
629440.00	4278440.00	587.15054	(18012609)	629160.00
4278460.00	914.73538	(14011009)		
629180.00	4278460.00	877.95678	(14011009)	629200.00
4278460.00	836.67780	(14011009)		
629220.00	4278460.00	791.60162	(14011009)	629240.00
4278460.00	777.14820	(16010409)		

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629260.00	4278460.00	766.00685	(16010409)	629340.00
4278460.00	698.97342	(16010409)		
629360.00	4278460.00	675.32897	(16010409)	629380.00
4278460.00	649.14689	(16010409)		
629400.00	4278460.00	620.48994	(16010409)	629420.00
4278460.00	613.61526	(18012609)		
629180.00	4278480.00	886.29347	(14011009)	629200.00
4278480.00	842.17719	(14011009)		
629220.00	4278480.00	814.45421	(16010409)	629240.00
4278480.00	801.51142	(16010409)		
629260.00	4278480.00	786.80275	(16010409)	629280.00
4278480.00	769.72674	(16010409)		
629360.00	4278480.00	675.82595	(16010409)	629380.00
4278480.00	649.32486	(18012609)		
629400.00	4278480.00	641.95271	(18012609)	629200.00
4278500.00	852.91622	(16010409)		
629220.00	4278500.00	838.98273	(16010409)	629240.00
4278500.00	822.97263	(16010409)		
629260.00	4278500.00	804.98009	(16010409)	629280.00
4278500.00	784.44129	(16010409)		
629300.00	4278500.00	760.62867	(16010409)	629380.00
4278500.00	671.85801	(18012609)		
629220.00	4278520.00	860.52440	(16010409)	629240.00
4278520.00	841.51049	(16010409)		
629260.00	4278520.00	820.33942	(16010409)	629280.00
4278520.00	796.54643	(16010409)		
629300.00	4278520.00	768.17283	(16010409)	629320.00
4278520.00	736.79166	(16010409)		
629340.00	4278520.00	715.41883	(18012609)	629240.00
4278540.00	857.82010	(16010409)		
629260.00	4278540.00	833.27860	(16010409)	629280.00
4278540.00	804.87485	(16010409)		
629300.00	4278540.00	771.92834	(16010409)	629320.00
4278540.00	750.44903	(18012609)		
629340.00	4278540.00	737.08840	(18012609)	629360.00
4278540.00	721.04717	(18012609)		

▲ *** AERMOD - VERSION 21112 *** **

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): C_INV , C_CNU

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**					
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	
Y-COORD (M)	CONC	(YYMMDDHH)			
629260.00	4278560.00	842.12783	(16010409)	629280.00	
4278560.00	809.71156	(16010409)			
629300.00	4278560.00	789.38746	(18012609)	629320.00	
4278560.00	773.25570	(18012609)			
629340.00	4278560.00	755.19446	(18012609)	629360.00	
4278560.00	733.16242	(18012609)			
629280.00	4278580.00	829.34456	(18012609)	629300.00	
4278580.00	811.41017	(18012609)			
629320.00	4278580.00	790.59077	(18012609)	629340.00	
4278580.00	765.12957	(18012609)			
629320.00	4278600.00	798.41557	(18012609)	628480.00	
4278740.00	682.05430	(17122909)			
628500.00	4278740.00	722.26714	(16122409)	628460.00	
4278760.00	690.43904	(17122909)			
628480.00	4278760.00	712.68053	(17122909)	628500.00	
4278760.00	734.39477	(17122909)			
628520.00	4278760.00	750.68896	(17122909)	628440.00	
4278780.00	685.97878	(17122909)			
628460.00	4278780.00	712.26044	(17122909)	628480.00	
4278780.00	740.55285	(17122909)			
628500.00	4278780.00	768.03770	(17122909)	628520.00	
4278780.00	794.42540	(17122909)			
628540.00	4278780.00	813.36558	(17122909)	628420.00	
4278800.00	665.45149	(17122909)			
628440.00	4278800.00	693.85575	(17122909)	628460.00	
4278800.00	725.04381	(17122909)			
628480.00	4278800.00	757.42486	(17122909)	628500.00	
4278800.00	793.80330	(17122909)			
628520.00	4278800.00	829.36553	(17122909)	628540.00	
4278800.00	861.38804	(17122909)			
628400.00	4278820.00	629.48603	(17122909)	628420.00	
4278820.00	657.37124	(17122909)			
628440.00	4278820.00	688.21535	(17122909)	628460.00	
4278820.00	721.00765	(17122909)			
628480.00	4278820.00	757.42552	(17122909)	628500.00	
4278820.00	799.67408	(17122909)			

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628520.00	4278820.00	845.12822	(17122909)	628540.00
4278820.00	891.91046	(17122909)		
628560.00	4278820.00	937.25529	(17122909)	628380.00
4278840.00	584.46074	(17122909)		
628400.00	4278840.00	609.12158	(17122909)	628420.00
4278840.00	636.63081	(17122909)		
628440.00	4278840.00	666.67357	(17122909)	628460.00
4278840.00	699.76736	(17122909)		
628480.00	4278840.00	738.03703	(17122909)	628500.00
4278840.00	780.47647	(17122909)		
628520.00	4278840.00	828.86982	(17122909)	628540.00
4278840.00	882.03991	(17122909)		
628560.00	4278840.00	941.51457	(17122909)	628360.00
4278860.00	534.34458	(17122909)		
628380.00	4278860.00	555.77499	(17122909)	628400.00
4278860.00	579.71437	(17122909)		
628420.00	4278860.00	604.95753	(17122909)	628440.00
4278860.00	633.33152	(17122909)		
628460.00	4278860.00	664.84083	(17122909)	628480.00
4278860.00	699.65548	(17122909)		
628500.00	4278860.00	738.76265	(17122909)	628520.00
4278860.00	782.90656	(17122909)		
628340.00	4278880.00	486.54353	(17122909)	628360.00
4278880.00	504.09641	(17122909)		
628380.00	4278880.00	523.67895	(17122909)	628400.00
4278880.00	544.83704	(17122909)		
628420.00	4278880.00	567.74393	(17122909)	628440.00
4278880.00	592.84833	(17122909)		
628460.00	4278880.00	621.09219	(17122909)	628480.00
4278880.00	651.12082	(17122909)		
628500.00	4278880.00	686.12194	(17122909)	628320.00
4278900.00	443.02564	(17122909)		
628340.00	4278900.00	457.33013	(17122909)	628360.00
4278900.00	473.29962	(17122909)		
628380.00	4278900.00	490.74069	(17122909)	628400.00
4278900.00	509.33048	(17122909)		
628420.00	4278900.00	534.07323	(15011009)	628440.00
4278900.00	562.00241	(15011009)		
628460.00	4278900.00	592.23932	(15011009)	628480.00
4278900.00	626.79052	(15011009)		
629760.00	4278900.00	373.91500	(18012817)	628320.00
4278920.00	438.50549	(15011009)		
628340.00	4278920.00	456.89593	(15011009)	628360.00
4278920.00	476.72224	(15011009)		

▲ *** AERMOD - VERSION 21112 *** ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): C_INV , C_CNU

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
628380.00	4278920.00	497.69609	(15011009)	628400.00
4278920.00	520.22124	(15011009)		
628420.00	4278920.00	544.75548	(15011009)	628440.00
4278920.00	570.29028	(15011009)		
628460.00	4278920.00	599.75943	(15011009)	629740.00
4278920.00	393.45365	(18012817)		
629760.00	4278920.00	382.96037	(18012817)	628320.00
4278940.00	446.79691	(15011009)		
628340.00	4278940.00	464.07079	(15011009)	628360.00
4278940.00	482.50783	(15011009)		
628380.00	4278940.00	501.66673	(15011009)	628400.00
4278940.00	522.57429	(15011009)		
628420.00	4278940.00	544.65564	(15011009)	628440.00
4278940.00	568.57775	(15011009)		
628460.00	4278940.00	595.27300	(15011009)	629740.00
4278940.00	397.51240	(18012817)		
629760.00	4278940.00	387.26928	(18012817)	628100.00
4278960.00	314.94900	(15011009)		
628120.00	4278960.00	325.00823	(15011009)	628320.00
4278960.00	448.26523	(15011009)		
628340.00	4278960.00	463.84645	(15011009)	628360.00
4278960.00	480.39234	(15011009)		
628380.00	4278960.00	497.80653	(15011009)	628400.00
4278960.00	516.19665	(15011009)		
628420.00	4278960.00	535.41644	(15011009)	628440.00
4278960.00	572.20431	(14110508)		
629720.00	4278960.00	405.72626	(18012817)	629740.00
4278960.00	398.03242	(18012817)		

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629760.00	4278960.00	389.02842	(18012817)	628100.00
4278980.00	322.71082	(15011009)		
628120.00	4278980.00	332.19111	(15011009)	628140.00
4278980.00	341.92495	(15011009)		
628160.00	4278980.00	351.97379	(15011009)	628180.00
4278980.00	362.32793	(15011009)		
628300.00	4278980.00	430.52340	(15011009)	628320.00
4278980.00	443.34388	(15011009)		
628340.00	4278980.00	456.87122	(15011009)	628360.00
4278980.00	471.51134	(15011009)		
628380.00	4278980.00	486.92099	(15011009)	628400.00
4278980.00	506.01594	(15120617)		
628420.00	4278980.00	571.73994	(14110508)	628440.00
4278980.00	645.66417	(14110508)		
629720.00	4278980.00	400.81170	(18012817)	629740.00
4278980.00	393.90593	(18012817)		
629760.00	4278980.00	385.84671	(18012817)	628100.00
4279000.00	327.39009	(15011009)		
628120.00	4279000.00	336.21292	(15011009)	628140.00
4279000.00	345.28806	(15011009)		
628160.00	4279000.00	354.68112	(15011009)	628180.00
4279000.00	364.35589	(15011009)		
628200.00	4279000.00	374.38031	(15011009)	628220.00
4279000.00	384.88555	(15011009)		
628240.00	4279000.00	395.92992	(15011009)	628320.00
4279000.00	434.67251	(15011009)		
628340.00	4279000.00	445.73820	(15011009)	628360.00
4279000.00	465.01636	(15120617)		
628380.00	4279000.00	506.74172	(14110508)	628400.00
4279000.00	566.90105	(14110508)		
628420.00	4279000.00	635.27644	(14110508)	628440.00
4279000.00	708.83558	(14110508)		
629700.00	4279000.00	401.55618	(18012817)	629720.00
4279000.00	394.74158	(18012817)		
629740.00	4279000.00	386.92455	(18012817)	629760.00
4279000.00	380.12063	(18012817)		
629780.00	4279000.00	373.88906	(18012817)	628100.00
4279020.00	328.92347	(15011009)		
628120.00	4279020.00	337.06178	(15011009)	628140.00
4279020.00	345.43782	(15011009)		
628160.00	4279020.00	354.22770	(15011009)	628180.00
4279020.00	363.35240	(15011009)		
628200.00	4279020.00	373.02876	(15011009)	628220.00
4279020.00	383.42044	(15011009)		
628240.00	4279020.00	395.28999	(15011009)	628400.00
4279020.00	625.40187	(14110508)		
628420.00	4279020.00	691.23726	(14110508)	628440.00
4279020.00	761.15678	(14110508)		

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629680.00	4279020.00	396.61223	(18012817)	629700.00
4279020.00	391.15141	(18012817)		
629720.00	4279020.00	385.08468	(18012817)	629740.00
4279020.00	378.91290	(18012817)		

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): C_INV , C_CNU

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629760.00	4279020.00	371.63120	(18012817)	629780.00
4279020.00	367.56029	(18012817)		
628100.00	4279040.00	327.25197	(15011009)	628120.00
4279040.00	334.56866	(15011009)		
628140.00	4279040.00	342.10000	(15011009)	628160.00
4279040.00	350.08564	(15011009)		
628180.00	4279040.00	358.35705	(15011009)	628200.00
4279040.00	367.06414	(15011009)		
628220.00	4279040.00	376.31990	(15011009)	628240.00
4279040.00	386.55183	(15011009)		
629680.00	4279040.00	387.15487	(15021908)	629700.00
4279040.00	378.41731	(18012817)		
629720.00	4279040.00	372.45513	(18012817)	629740.00
4279040.00	366.48998	(18012817)		
629760.00	4279040.00	362.82936	(18012817)	629780.00
4279040.00	358.88696	(18012817)		
628100.00	4279060.00	322.33372	(15011009)	628120.00
4279060.00	328.65150	(15011009)		
628140.00	4279060.00	335.17658	(15011009)	628160.00
4279060.00	341.85680	(15011009)		

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628180.00	4279060.00	348.72165	(15011009)	628200.00
4279060.00	360.12236	(14012019)		
628220.00	4279060.00	373.68803	(14012019)	628240.00
4279060.00	388.17889	(15120617)		
629660.00	4279060.00	391.17607	(15021908)	629680.00
4279060.00	382.97754	(15021908)		
629700.00	4279060.00	374.94551	(15021908)	629720.00
4279060.00	366.82039	(15021908)		
629740.00	4279060.00	357.75553	(15021908)	629760.00
4279060.00	348.93666	(18012817)		
629780.00	4279060.00	345.21432	(18012817)	628100.00
4279080.00	314.38776	(15011009)		
628120.00	4279080.00	319.66785	(15011009)	628140.00
4279080.00	328.01456	(14012019)		
628160.00	4279080.00	338.99563	(14012019)	628180.00
4279080.00	350.25831	(14012019)		
628200.00	4279080.00	361.83953	(15120617)	628220.00
4279080.00	377.20495	(15120617)		
628300.00	4279080.00	511.17545	(14110508)	628320.00
4279080.00	555.14554	(14110508)		
628340.00	4279080.00	601.25256	(14110508)	628360.00
4279080.00	648.65745	(14110508)		
629640.00	4279080.00	450.92513	(15030408)	629660.00
4279080.00	414.46644	(15030408)		
629680.00	4279080.00	378.62375	(15021508)	629700.00
4279080.00	371.21354	(15021908)		
629720.00	4279080.00	362.29652	(15021908)	628100.00
4279100.00	311.16162	(14012019)		
628120.00	4279100.00	320.65552	(14012019)	628140.00
4279100.00	330.20372	(14012019)		
628160.00	4279100.00	340.06916	(15120617)	628180.00
4279100.00	353.16749	(15120617)		
628200.00	4279100.00	366.45710	(15120617)	628220.00
4279100.00	392.34140	(14110508)		
628300.00	4279100.00	543.21111	(14110508)	628320.00
4279100.00	584.86646	(14110508)		
628340.00	4279100.00	627.31965	(14110508)	628360.00
4279100.00	669.85608	(14110508)		
629620.00	4279100.00	506.05457	(15030408)	629640.00
4279100.00	473.67051	(15030408)		
629660.00	4279100.00	438.09358	(15030408)	629680.00
4279100.00	405.08370	(15030408)		
629700.00	4279100.00	372.00630	(15030408)	628080.00
4279120.00	304.26258	(14012019)		
628100.00	4279120.00	312.63443	(14012019)	628120.00
4279120.00	321.28594	(15120617)		
628140.00	4279120.00	332.73400	(15120617)	628160.00
4279120.00	344.30166	(15120617)		

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628180.00	4279120.00	359.63263	(14110508)	628200.00
4279120.00	391.43899	(14110508)		
628220.00	4279120.00	425.04178	(14110508)	628300.00
4279120.00	568.72514	(14110508)		
628320.00	4279120.00	606.67096	(14110508)	628340.00
4279120.00	644.66375	(14110508)		
628360.00	4279120.00	682.06303	(14110508)	629600.00
4279120.00	551.55465	(15030408)		
629620.00	4279120.00	524.06046	(15030408)	629640.00
4279120.00	493.51412	(15030408)		
629660.00	4279120.00	459.25694	(15030408)	629680.00
4279120.00	428.91719	(15030408)		

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION ***

INCLUDING SOURCE(S): C_INV , C_CNU

,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629700.00	4279120.00	396.45720	(15030408)	628080.00
4279140.00	304.61604	(15120617)		
628100.00	4279140.00	314.81461	(15120617)	628120.00
4279140.00	325.02134	(15120617)		
628140.00	4279140.00	335.23515	(15120617)	628160.00
4279140.00	360.34106	(14110508)		
628180.00	4279140.00	390.33541	(14110508)	628200.00
4279140.00	421.52400	(14110508)		
628220.00	4279140.00	453.84360	(14110508)	628300.00
4279140.00	587.62695	(14110508)		
628320.00	4279140.00	621.51892	(14110508)	628340.00
4279140.00	654.82167	(14110508)		

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628360.00	4279140.00	687.07901	(14110508)	629580.00
4279140.00	592.83716	(15030408)		
629600.00	4279140.00	568.53439	(15030408)	629620.00
4279140.00	539.11137	(15030408)		
629640.00	4279140.00	509.65874	(15030408)	629660.00
4279140.00	479.44825	(15030408)		
629680.00	4279140.00	450.17774	(15030408)	629700.00
4279140.00	417.92239	(15030408)		
628060.00	4279160.00	298.80720	(15120617)	628080.00
4279160.00	307.92493	(15120617)		
628100.00	4279160.00	317.05038	(15120617)	628120.00
4279160.00	333.14936	(14110508)		
628140.00	4279160.00	360.28616	(14110508)	628160.00
4279160.00	388.55123	(14110508)		
628180.00	4279160.00	417.71133	(14110508)	628200.00
4279160.00	447.64864	(14110508)		
628220.00	4279160.00	478.14634	(14110508)	629580.00
4279160.00	603.88083	(15030408)		
629600.00	4279160.00	578.47155	(15030408)	629620.00
4279160.00	552.23930	(15030408)		
629640.00	4279160.00	525.05914	(15030408)	629660.00
4279160.00	496.99452	(15030408)		
629680.00	4279160.00	467.70227	(15030408)	628060.00
4279180.00	300.85446	(15120617)		
628080.00	4279180.00	309.38878	(14110508)	628100.00
4279180.00	333.99927	(14110508)		
628120.00	4279180.00	359.64465	(14110508)	628140.00
4279180.00	386.21982	(14110508)		
628160.00	4279180.00	413.55876	(14110508)	628180.00
4279180.00	441.41146	(14110508)		
628200.00	4279180.00	469.54110	(14110508)	628220.00
4279180.00	497.78590	(14110508)		
628060.00	4279200.00	310.79442	(14110508)	628080.00
4279200.00	334.18948	(14110508)		
628100.00	4279200.00	358.47366	(14110508)	628120.00
4279200.00	383.47867	(14110508)		
628140.00	4279200.00	409.03908	(14110508)	628160.00
4279200.00	434.99078	(14110508)		
628180.00	4279200.00	461.02761	(14110508)	628200.00
4279200.00	487.00323	(14110508)		
628220.00	4279200.00	512.76513	(14110508)	628040.00
4279220.00	311.60409	(14110508)		
628060.00	4279220.00	333.87596	(14110508)	628080.00
4279220.00	356.83190	(14110508)		
628100.00	4279220.00	380.37801	(14110508)	628120.00
4279220.00	404.29343	(14110508)		
628140.00	4279220.00	428.41150	(14110508)	628160.00
4279220.00	452.60342	(14110508)		

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628180.00	4279220.00	476.54062	(14110508)	628200.00
4279220.00	500.14772	(14110508)		
628220.00	4279220.00	523.19274	(14110508)	628240.00
4279220.00	545.96147	(14110508)		
628040.00	4279240.00	333.00356	(14110508)	628060.00
4279240.00	354.76878	(14110508)		
628080.00	4279240.00	376.90631	(14110508)	628100.00
4279240.00	399.30222	(14110508)		
628120.00	4279240.00	421.81994	(14110508)	628140.00
4279240.00	444.16205	(14110508)		
628160.00	4279240.00	466.32675	(14110508)	628180.00
4279240.00	488.00183	(14110508)		
628200.00	4279240.00	509.02509	(14110508)	628220.00
4279240.00	529.24524	(14110508)		
628240.00	4279240.00	548.77623	(14110508)	629560.00
4279240.00	646.89071	(15030408)		
628040.00	4279260.00	352.38113	(14110508)	628060.00
4279260.00	373.16444	(14110508)		
628080.00	4279260.00	394.14809	(14110508)	628100.00
4279260.00	415.12113	(14110508)		

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **

*** 17:40:15

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 INCLUDING SOURCE(S): C_INV , C_CNU

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
628120.00	4279260.00	435.91249	(14110508)	628140.00
4279260.00	456.32261	(14110508)		
628160.00	4279260.00	476.27380	(14110508)	628180.00
4279260.00	495.51187	(14110508)		

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628200.00	4279260.00	513.93600	(14110508)	628220.00
4279260.00	531.33699	(14110508)		
628240.00	4279260.00	547.86237	(14110508)	629540.00
4279260.00	657.12195	(15030408)		
629560.00	4279260.00	644.10313	(15030408)	629580.00
4279260.00	626.76222	(15030408)		
629600.00	4279260.00	607.08273	(15030408)	628080.00
4279280.00	408.34223	(14110508)		
628100.00	4279280.00	427.68588	(14110508)	628120.00
4279280.00	446.61934	(14110508)		
628140.00	4279280.00	465.00315	(14110508)	628160.00
4279280.00	482.61680	(14110508)		
628180.00	4279280.00	499.40598	(14110508)	628200.00
4279280.00	515.14034	(14110508)		
628220.00	4279280.00	530.11207	(14110508)	629520.00
4279280.00	653.70807	(15030408)		
629540.00	4279280.00	645.44520	(15030408)	629560.00
4279280.00	634.01185	(15030408)		
629580.00	4279280.00	621.81752	(15030408)	629600.00
4279280.00	607.01341	(15030408)		
629620.00	4279280.00	589.80928	(15030408)	629640.00
4279280.00	571.03086	(15030408)		
629520.00	4279300.00	642.23601	(15030408)	629540.00
4279300.00	634.24629	(15030408)		
629560.00	4279300.00	624.20629	(15030408)	629580.00
4279300.00	614.80136	(15030408)		
629600.00	4279300.00	603.05506	(15030408)	629620.00
4279300.00	589.16597	(15030408)		
629640.00	4279300.00	573.63612	(15030408)	629660.00
4279300.00	556.42319	(15030408)		
629520.00	4279320.00	629.43213	(15030408)	629540.00
4279320.00	622.50508	(15030408)		
629560.00	4279320.00	615.14434	(15030408)	629580.00
4279320.00	607.11559	(15030408)		
629600.00	4279320.00	595.38231	(15030408)	629620.00
4279320.00	584.31454	(15030408)		
629640.00	4279320.00	571.99226	(15030408)	629660.00
4279320.00	557.07531	(15030408)		
629680.00	4279320.00	543.23694	(15030408)	629700.00
4279320.00	526.39166	(15030408)		
629520.00	4279340.00	618.05221	(15030408)	629540.00
4279340.00	611.06733	(15030408)		
629560.00	4279340.00	604.57579	(15030408)	629580.00
4279340.00	596.45502	(15030408)		
629600.00	4279340.00	588.53765	(15030408)	629620.00
4279340.00	578.76464	(15030408)		
629640.00	4279340.00	567.76756	(15030408)	629660.00
4279340.00	556.14917	(15030408)		

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629680.00	4279340.00	543.94295	(15030408)	629700.00
4279340.00	529.66884	(15030408)		
629720.00	4279340.00	514.16948	(15030408)	629740.00
4279340.00	498.15303	(15030408)		
629760.00	4279340.00	481.43016	(15030408)	629520.00
4279360.00	605.98901	(15030408)		
629540.00	4279360.00	599.00707	(15030408)	629560.00
4279360.00	593.22818	(15030408)		
629580.00	4279360.00	585.96305	(15030408)	629600.00
4279360.00	580.04996	(15030408)		
629620.00	4279360.00	572.80771	(15030408)	629640.00
4279360.00	563.88733	(15030408)		
629660.00	4279360.00	553.22323	(15030408)	629680.00
4279360.00	541.96280	(15030408)		
629700.00	4279360.00	529.95517	(15030408)	629720.00
4279360.00	516.57942	(15030408)		
629740.00	4279360.00	502.43103	(15030408)	629760.00
4279360.00	487.42336	(15030408)		
629520.00	4279380.00	593.19706	(15030408)	629540.00
4279380.00	587.12287	(15030408)		
629560.00	4279380.00	582.02393	(15030408)	629580.00
4279380.00	576.04347	(15030408)		
629600.00	4279380.00	570.85397	(15030408)	629620.00
4279380.00	564.60422	(15030408)		
629640.00	4279380.00	557.17791	(15030408)	629660.00
4279380.00	548.79839	(15030408)		
629680.00	4279380.00	539.09231	(15030408)	629700.00
4279380.00	528.64158	(15030408)		

▲ *** AERMOD - VERSION 21112 *** ***

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*** AERMET - VERSION 19191 *** ***
*** 17:40:15

PAGE 101

*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): C_INV , C_CNU

,
*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3
**

Natomas_CSTN_062921

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
629720.00	4279380.00	516.25789	(15030408)	629740.00
4279380.00	504.35108	(15030408)		
629520.00	4279400.00	579.83828	(15030408)	629540.00
4279400.00	575.19835	(15030408)		
629560.00	4279400.00	570.63692	(15030408)	629580.00
4279400.00	565.08174	(15030408)		
629600.00	4279400.00	561.03668	(15030408)	629620.00
4279400.00	556.05550	(15030408)		
629640.00	4279400.00	550.02543	(15030408)	629660.00
4279400.00	543.03227	(15030408)		
629680.00	4279400.00	534.21247	(15030408)	629700.00
4279400.00	526.05305	(15030408)		
629720.00	4279400.00	515.46036	(15030408)	629040.00
4279420.00	600.59378	(16010809)		
629060.00	4279420.00	616.10873	(16010809)	629520.00
4279420.00	565.64521	(15030408)		
629540.00	4279420.00	562.74974	(15030408)	629560.00
4279420.00	558.92945	(15030408)		
629580.00	4279420.00	554.48117	(15030408)	629600.00
4279420.00	551.19027	(15030408)		
629620.00	4279420.00	546.99089	(15030408)	629640.00
4279420.00	541.70914	(15030408)		
629660.00	4279420.00	535.82263	(15030408)	629680.00
4279420.00	528.65969	(15030408)		
629700.00	4279420.00	521.81772	(15030408)	629040.00
4279440.00	582.64943	(16010809)		
629060.00	4279440.00	605.17459	(16010809)	629580.00
4279440.00	543.21925	(15030408)		
629600.00	4279440.00	539.83409	(15030408)	629620.00
4279440.00	536.70097	(15030408)		
629640.00	4279440.00	532.03596	(15030408)	629660.00
4279440.00	527.60385	(15030408)		
629680.00	4279440.00	521.23502	(15030408)	629580.00
4279460.00	531.36064	(15030408)		
629600.00	4279460.00	529.31354	(15030408)	629620.00
4279460.00	526.27904	(15030408)		
629640.00	4279460.00	523.42624	(15030408)	629660.00
4279460.00	519.37834	(15030408)		
629140.00	4279680.00	444.56310	(14110317)	629160.00
4279680.00	455.08693	(16010809)		
629180.00	4279680.00	473.46768	(16010809)	629200.00
4279680.00	484.67571	(16010809)		
629140.00	4279700.00	431.26481	(14110317)	629160.00
4279700.00	434.49500	(14110317)		

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629180.00	4279700.00	453.70929	(16010809)	629200.00
4279700.00	467.64195	(16010809)		
629220.00	4279700.00	477.50145	(16010809)	629240.00
4279700.00	484.58232	(16010809)		
629260.00	4279700.00	489.92473	(16010809)	629280.00
4279700.00	493.16960	(16010809)		
629300.00	4279700.00	494.77852	(16010809)	629320.00
4279700.00	494.49611	(16010809)		
629340.00	4279700.00	491.99471	(16010809)	629360.00
4279700.00	487.00156	(16010809)		
629380.00	4279700.00	479.47799	(16010809)	629400.00
4279700.00	469.57831	(16010809)		
629420.00	4279700.00	458.80068	(16010809)	629140.00
4279720.00	419.24031	(14110317)		
629160.00	4279720.00	422.87663	(14110317)	629180.00
4279720.00	434.01473	(16010809)		
629200.00	4279720.00	450.20934	(16010809)	629220.00
4279720.00	462.23908	(16010809)		
629240.00	4279720.00	470.87652	(16010809)	629260.00
4279720.00	477.20878	(16010809)		
629280.00	4279720.00	481.51727	(16010809)	629300.00
4279720.00	483.40549	(16010809)		
629320.00	4279720.00	484.21171	(16010809)	629340.00
4279720.00	483.12426	(16010809)		
629360.00	4279720.00	479.73594	(16010809)	629380.00
4279720.00	473.84948	(16010809)		
629400.00	4279720.00	465.35821	(16010809)	629420.00
4279720.00	455.09695	(16010809)		
629140.00	4279740.00	408.32980	(14110317)	629160.00
4279740.00	412.03767	(14110317)		
629180.00	4279740.00	415.39309	(16010809)	629200.00
4279740.00	432.55824	(16010809)		
629220.00	4279740.00	445.93126	(16010809)	629240.00
4279740.00	456.42777	(16010809)		
629260.00	4279740.00	463.70274	(16010809)	629280.00
4279740.00	468.90139	(16010809)		

▲ *** AERMOD - VERSION 21112 *** **

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*** AERMET - VERSION 19191 *** **
*** 17:40:15

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): C_INV , C_CNU

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**					
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	
Y-COORD (M)	CONC	(YYMMDDHH)			
629300.00	4279740.00	472.27835	(16010809)	629320.00	
4279740.00	474.44965	(16010809)			
629340.00	4279740.00	474.32202	(16010809)	629360.00	
4279740.00	472.04840	(16010809)			
629380.00	4279740.00	467.43341	(16010809)	629400.00	
4279740.00	460.40688	(16010809)			
629420.00	4279740.00	451.36570	(16010809)	628920.00	
4279760.00	465.97779	(15010709)			
628940.00	4279760.00	450.10411	(15010709)	628960.00	
4279760.00	433.31044	(15010709)			
628980.00	4279760.00	415.94528	(15010709)	629000.00	
4279760.00	398.59821	(15010709)			
629020.00	4279760.00	381.90889	(15010709)	629040.00	
4279760.00	379.49973	(14111408)			
629060.00	4279760.00	383.39519	(14111408)	629080.00	
4279760.00	385.95907	(14111408)			
629100.00	4279760.00	387.89914	(14111408)	629120.00	
4279760.00	392.04596	(14110317)			
629140.00	4279760.00	398.34707	(14110317)	629160.00	
4279760.00	402.74868	(14110317)			
629180.00	4279760.00	401.80728	(14110317)	629200.00	
4279760.00	415.76109	(16010809)			
629220.00	4279760.00	430.61612	(16010809)	629240.00	
4279760.00	442.22565	(16010809)			
629260.00	4279760.00	450.74518	(16010809)	629280.00	
4279760.00	456.90078	(16010809)			
629300.00	4279760.00	461.74428	(16010809)	629320.00	
4279760.00	464.74449	(16010809)			
629340.00	4279760.00	465.50966	(16010809)	629360.00	
4279760.00	464.09150	(16010809)			
629380.00	4279760.00	460.56246	(16010809)	629400.00	
4279760.00	454.91651	(16010809)			
629420.00	4279760.00	447.17941	(16010809)	628920.00	
4279780.00	456.34187	(15010709)			
628940.00	4279780.00	440.79424	(15010709)	628960.00	
4279780.00	424.20014	(15010709)			

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628980.00	4279780.00	407.19604	(15010709)	629000.00
4279780.00	390.33620	(15010709)		
629020.00	4279780.00	374.13516	(15010709)	629040.00
4279780.00	371.51443	(14111408)		
629060.00	4279780.00	375.70319	(14111408)	629080.00
4279780.00	378.58262	(14111408)		
629100.00	4279780.00	380.71920	(14111408)	629120.00
4279780.00	383.20049	(14110317)		
629140.00	4279780.00	389.22556	(14110317)	629160.00
4279780.00	393.42344	(14110317)		
629180.00	4279780.00	393.35395	(14110317)	629200.00
4279780.00	399.90357	(16010809)		
629220.00	4279780.00	415.08199	(16010809)	629240.00
4279780.00	427.58759	(16010809)		
629260.00	4279780.00	437.74261	(16010809)	629280.00
4279780.00	445.40708	(16010809)		
629300.00	4279780.00	451.08402	(16010809)	629320.00
4279780.00	454.86704	(16010809)		
629340.00	4279780.00	456.32882	(16010809)	629360.00
4279780.00	455.82464	(16010809)		
629380.00	4279780.00	453.42435	(16010809)	629400.00
4279780.00	449.06532	(16010809)		
628920.00	4279800.00	447.03470	(15010709)	628940.00
4279800.00	431.66079	(15010709)		
628960.00	4279800.00	415.42780	(15010709)	628980.00
4279800.00	398.83698	(15010709)		
629000.00	4279800.00	382.36302	(15010709)	629020.00
4279800.00	366.57916	(15010709)		
629040.00	4279800.00	363.81742	(14111408)	629060.00
4279800.00	368.27752	(14111408)		
629080.00	4279800.00	371.40948	(14111408)	629100.00
4279800.00	373.65028	(14111408)		
629120.00	4279800.00	374.93227	(14111408)	629140.00
4279800.00	380.45249	(14110317)		
629160.00	4279800.00	384.61564	(14110317)	629180.00
4279800.00	385.19435	(14110317)		
629200.00	4279800.00	384.18517	(16010809)	629220.00
4279800.00	399.75642	(16010809)		
629240.00	4279800.00	412.99061	(16010809)	629260.00
4279800.00	424.48132	(16010809)		
629280.00	4279800.00	433.23957	(16010809)	629300.00
4279800.00	439.89456	(16010809)		
629320.00	4279800.00	444.56457	(16010809)	629340.00
4279800.00	446.97784	(16010809)		

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*** 17:40:15

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): C_INV , C_CNU

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629360.00	4279800.00	447.22170	(16010809)	629380.00
4279800.00	446.11241	(16010809)		
628920.00	4279820.00	437.93276	(15010709)	628940.00
4279820.00	422.87612	(15010709)		
628960.00	4279820.00	407.01238	(15010709)	628980.00
4279820.00	390.81733	(15010709)		
629000.00	4279820.00	374.62847	(15010709)	629020.00
4279820.00	359.13168	(15010709)		
629040.00	4279820.00	356.27787	(14111408)	629060.00
4279820.00	361.10807	(14111408)		
629080.00	4279820.00	364.48467	(14111408)	629100.00
4279820.00	366.80301	(14111408)		
629120.00	4279820.00	367.95623	(14111408)	629140.00
4279820.00	371.98998	(14110317)		
629160.00	4279820.00	376.24235	(14110317)	629180.00
4279820.00	377.31080	(14110317)		
629200.00	4279820.00	375.26622	(14110317)	629220.00
4279820.00	385.19383	(16010809)		
629240.00	4279820.00	399.26084	(16010809)	629260.00
4279820.00	411.45576	(16010809)		
629280.00	4279820.00	421.25833	(16010809)	629300.00
4279820.00	428.84645	(16010809)		
629320.00	4279820.00	434.33523	(16010809)	629340.00
4279820.00	437.59719	(16010809)		
629360.00	4279820.00	439.00651	(16010809)	628920.00
4279840.00	429.23854	(15010709)		
628940.00	4279840.00	414.44978	(15010709)	628960.00
4279840.00	398.93170	(15010709)		

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628980.00	4279840.00	383.14435	(15010709)	629000.00
4279840.00	367.50163	(15010709)		
629020.00	4279840.00	352.45945	(15010709)	629040.00
4279840.00	349.26632	(14111408)		
629060.00	4279840.00	354.07359	(14111408)	629080.00
4279840.00	357.68669	(14111408)		
629100.00	4279840.00	360.01745	(14111408)	629120.00
4279840.00	361.20459	(14111408)		
629140.00	4279840.00	363.96329	(14110317)	629160.00
4279840.00	368.18198	(14110317)		
629180.00	4279840.00	369.72001	(14110317)	629200.00
4279840.00	368.53460	(14110317)		
629220.00	4279840.00	371.33662	(16010809)	629240.00
4279840.00	385.75505	(16010809)		
629260.00	4279840.00	398.57922	(16010809)	629280.00
4279840.00	409.06382	(16010809)		
629300.00	4279840.00	417.58192	(16010809)	629320.00
4279840.00	424.02384	(16010809)		
629340.00	4279840.00	428.38613	(16010809)	629360.00
4279840.00	430.82953	(16010809)		
628920.00	4279860.00	420.84960	(15010709)	628940.00
4279860.00	406.33338	(15010709)		
628960.00	4279860.00	390.95523	(15010709)	628980.00
4279860.00	375.70577	(15010709)		
629000.00	4279860.00	360.44286	(15010709)	629020.00
4279860.00	345.62364	(15010709)		
629040.00	4279860.00	342.32382	(14111408)	629060.00
4279860.00	347.40096	(14111408)		
629080.00	4279860.00	351.16198	(14111408)	629100.00
4279860.00	353.56096	(14111408)		
629120.00	4279860.00	354.81257	(14111408)	629140.00
4279860.00	356.13734	(14110317)		
629160.00	4279860.00	360.20470	(14110317)	629180.00
4279860.00	362.19832	(14110317)		
629200.00	4279860.00	361.47514	(14110317)	629220.00
4279860.00	358.52502	(14110317)		
629240.00	4279860.00	372.67461	(16010809)	629260.00
4279860.00	385.73166	(16010809)		
629280.00	4279860.00	396.70782	(16010809)	629300.00
4279860.00	406.03567	(16010809)		
629320.00	4279860.00	413.47607	(16010809)	629340.00
4279860.00	418.99584	(16010809)		
628920.00	4279880.00	412.78361	(15010709)	628940.00
4279880.00	398.51880	(15010709)		
628960.00	4279880.00	383.31622	(15010709)	628980.00
4279880.00	368.48740	(15010709)		
629000.00	4279880.00	353.59571	(15010709)	629020.00
4279880.00	338.98403	(15010709)		

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629040.00 4279880.00 335.59008 (14111408) 629060.00
 4279880.00 340.85826 (14111408)
 629080.00 4279880.00 344.77193 (14111408) 629100.00
 4279880.00 347.25196 (14111408)

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): C_INV , C_CNU

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629120.00	4279880.00	348.65383	(14111408)	629140.00
4279880.00	348.78057	(14110317)		
629160.00	4279880.00	352.95864	(14110317)	629180.00
4279880.00	355.24448	(14110317)		
629200.00	4279880.00	355.29958	(14110317)	629220.00
4279880.00	352.75400	(14110317)		
629240.00	4279880.00	359.72076	(16010809)	629260.00
4279880.00	373.07682	(16010809)		
629280.00	4279880.00	384.64168	(16010809)	629300.00
4279880.00	394.66644	(16010809)		
629320.00	4279880.00	402.92541	(16010809)	628920.00
4279900.00	404.94736	(15010709)		
628940.00	4279900.00	390.96770	(15010709)	628960.00
4279900.00	376.05525	(15010709)		
628980.00	4279900.00	361.47559	(15010709)	629000.00
4279900.00	346.94831	(15010709)		
629020.00	4279900.00	332.51427	(15010709)	629040.00
4279900.00	329.06737	(14111408)		
629060.00	4279900.00	334.48831	(14111408)	629080.00
4279900.00	338.58479	(14111408)		

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629100.00	4279900.00	341.11261	(14111408)	629120.00
4279900.00	342.63658	(14111408)		
629140.00	4279900.00	342.31392	(14111408)	629160.00
4279900.00	345.99161	(14110317)		
629180.00	4279900.00	348.63198	(14110317)	629200.00
4279900.00	349.10157	(14110317)		
629220.00	4279900.00	347.05961	(14110317)	629240.00
4279900.00	347.05346	(16010809)		
629260.00	4279900.00	360.35566	(16010809)	629280.00
4279900.00	372.89726	(16010809)		
629300.00	4279900.00	383.53824	(16010809)	628920.00
4279920.00	397.46223	(15010709)		
628940.00	4279920.00	383.66829	(15010709)	628960.00
4279920.00	369.41837	(15010709)		
628980.00	4279920.00	354.94214	(15010709)	629000.00
4279920.00	340.51106	(15010709)		
629020.00	4279920.00	326.21142	(15010709)	629040.00
4279920.00	322.76455	(14111408)		
629060.00	4279920.00	328.30273	(14111408)	629080.00
4279920.00	332.53864	(14111408)		
629100.00	4279920.00	335.23531	(14111408)	629120.00
4279920.00	336.71337	(14111408)		
629140.00	4279920.00	336.66586	(14111408)	629160.00
4279920.00	339.22920	(14110317)		
629180.00	4279920.00	342.33657	(14110317)	629200.00
4279920.00	343.11073	(14110317)		
629220.00	4279920.00	341.45788	(14110317)	629240.00
4279920.00	337.78563	(14110317)		
629260.00	4279920.00	348.65628	(16010809)	629540.00
4278840.00	514.06790	(14021108)		
629540.00	4278820.00	526.40685	(14021108)	629560.00
4278820.00	508.28852	(14021108)		
629580.00	4278820.00	491.69397	(14021108)	629560.00
4278840.00	497.50758	(14021108)		

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43680 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

GROUP ID ZHILL, ZFLAG)	NETWORK OF TYPE GRID-ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
C_CNU	1ST HIGHEST VALUE IS 5.34, 1.50) DC	8.96268 AT (	629220.00, 4278520.00, 5.34,
	2ND HIGHEST VALUE IS 5.42, 1.50) DC	8.90988 AT (	629200.00, 4278500.00, 5.42,
	3RD HIGHEST VALUE IS 5.26, 1.50) DC	8.86487 AT (	629240.00, 4278540.00, 5.26,
	4TH HIGHEST VALUE IS 5.46, 1.50) DC	8.72261 AT (	629180.00, 4278480.00, 5.46,
	5TH HIGHEST VALUE IS 5.08, 1.50) DC	8.60644 AT (	629260.00, 4278560.00, 5.08,
	6TH HIGHEST VALUE IS 5.35, 1.50) DC	8.41688 AT (	629160.00, 4278460.00, 5.35,
	7TH HIGHEST VALUE IS 5.29, 1.50) DC	8.33250 AT (	629220.00, 4278500.00, 5.29,
	8TH HIGHEST VALUE IS 5.15, 1.50) DC	8.29794 AT (	629240.00, 4278520.00, 5.15,
	9TH HIGHEST VALUE IS 5.48, 1.50) DC	8.23466 AT (	629200.00, 4278480.00, 5.48,
	10TH HIGHEST VALUE IS 5.69, 1.50) DC	8.14943 AT (	629280.00, 4278580.00, 5.69,
C_INV	1ST HIGHEST VALUE IS 5.44, 1.50) DC	15.83261 AT (	629040.00, 4279420.00, 5.44,
	2ND HIGHEST VALUE IS 4.99, 1.50) DC	15.58800 AT (	629060.00, 4279420.00, 4.99,
	3RD HIGHEST VALUE IS 5.70, 1.50) DC	14.38382 AT (	629060.00, 4279440.00, 5.70,
	4TH HIGHEST VALUE IS 5.80, 1.50) DC	14.37081 AT (	629040.00, 4279440.00, 5.80,
	5TH HIGHEST VALUE IS 5.99, 1.50) DC	6.68561 AT (	629320.00, 4278600.00, 4.65,
	6TH HIGHEST VALUE IS 5.69, 1.50) DC	6.64860 AT (	629280.00, 4278580.00, 5.69,
	7TH HIGHEST VALUE IS 5.60, 1.50) DC	6.36181 AT (	629160.00, 4279680.00, 5.60,
	8TH HIGHEST VALUE IS 5.66, 1.50) DC	6.34760 AT (	629140.00, 4279680.00, 5.66,
	9TH HIGHEST VALUE IS 5.93, 1.50) DC	6.31070 AT (	629300.00, 4278580.00, 5.93,

Natomas_CSTN_062921

Receptor	Value	AT	Value	Value	Value
10TH HIGHEST VALUE IS 5.53, 1.50) DC	6.22127	(	629180.00,	4279680.00,	5.53,
ALL 1ST HIGHEST VALUE IS 5.44, 1.50) DC	21.92427	AT	(629040.00,	4279420.00,	5.44,
2ND HIGHEST VALUE IS 4.99, 1.50) DC	21.70041	AT	(629060.00,	4279420.00,	4.99,
3RD HIGHEST VALUE IS 5.70, 1.50) DC	20.18379	AT	(629060.00,	4279440.00,	5.70,
4TH HIGHEST VALUE IS 5.80, 1.50) DC	20.14746	AT	(629040.00,	4279440.00,	5.80,
5TH HIGHEST VALUE IS 5.08, 1.50) DC	14.80030	AT	(629260.00,	4278560.00,	5.08,
6TH HIGHEST VALUE IS 5.69, 1.50) DC	14.79803	AT	(629280.00,	4278580.00,	5.69,
7TH HIGHEST VALUE IS 5.26, 1.50) DC	14.75870	AT	(629240.00,	4278540.00,	5.26,
8TH HIGHEST VALUE IS 5.34, 1.50) DC	14.56700	AT	(629220.00,	4278520.00,	5.34,
9TH HIGHEST VALUE IS 5.42, 1.50) DC	14.23757	AT	(629200.00,	4278500.00,	5.42,
10TH HIGHEST VALUE IS 5.46, 1.50) DC	13.76770	AT	(629180.00,	4278480.00,	5.46,

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

▲ *** AERMOD - VERSION 21112 *** **

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	DATE	RECEPTOR
	AVERAGE CONC	(YYMMDDHH)	

Natomas_CSTN_062921
(XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID

C_CNU HIGH 1ST HIGH VALUE IS 806.78239 ON 17122909: AT (628560.00,
4278820.00, 6.57, 6.57, 1.50) DC
C_INV HIGH 1ST HIGH VALUE IS 416.64393 ON 16122409: AT (628480.00,
4278900.00, 6.58, 6.58, 1.50) DC
ALL HIGH 1ST HIGH VALUE IS 941.51457 ON 17122909: AT (628560.00,
4278840.00, 6.23, 6.23, 1.50) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

^ *** AERMOD - VERSION 21112 *** ***
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*** 17:40:15

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL RURAL ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 1576 Informational Message(s)
A Total of 43680 Hours Were Processed
A Total of 643 Calm Hours Identified
A Total of 933 Missing Hours Identified (2.14 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 138 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used

Natomas_CSTN_062921

0.50
ME W187 138 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

Appendix C3

Health Risk Assessment Calculations

C3-1 Cancer Risk Calculations (Innovation Park PUD)

Innovation Park PUD

Innovation Park (no CNU)
Unmitigated Innovation Park (no CNU) Construction Cancer Risk Calculations for Residential Child Receptor

Table with columns: Construction Emissions, as applied to AERMOD results. Includes Year, Start Date, Stop Date, 3rd Trimester, Days, 2-16, Duration, and Unmitigated DPM (tons, g/s).

Table with columns: Risk Factors, Abbrev, UDM, 3rd Trimester, Dc2, 2-16. Includes Daily Breathing Rate, Fraction of Time at Home, Exposure Frequency, Age Sensitivity Factor, Inhalation Absorption Factor, Conversion Factor, Cancer Potency Factor, and Averaging Time.

Table with columns: Intake Factor for Inhalation, IF (m³/hg-day), Year, Equation, 3rd Trimester, Dc2, 2-16. Includes rows for Innovation Park and Risk Calculation Part 1, R1.

Large table with columns: Diesel Particulate Matter concentration, CPM (ug/m³), X (UTM), Y (UTM), and years 2022-2038. Contains a grid of concentration values for various locations.

Table with columns: Risk Calculation Part 2, 3rd Trimester, Dc2, 2-16, per million, Cancer Risk, Receptor Determination. Includes a summary row with Max, UTM X, UTM Y, and values 12.68, 629320, 4278600.

Diesel Particulate Matter concentration, C₅₀ (µg/m³)

Table with columns: X (ft/m), Y (ft/m), 2022-2028, Innovation Park, Risk Calculation Part 2 (3rd Trimester, 2d, 3rd, Total), Cancer Risk, and Receptor Determination. Rows are numbered 62840 to 62930.

X (UTM)	Y (UTM)	Diesel Particulate Matter concentration, C ₅₀ (ug/m ³)																				Risk Calculation Part 3				Cancer Risk	per mill	Receptor Determination
		Innovation Park																				TRF _{C50}						
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	3rd Trimester	6c2	2c16	Total						
629680	479040	2.02E+02	6.09E+03	7.28E+03	6.47E+03	7.85E+03	6.92E+03	6.22E+03	6.79E+03	5.57E+03	2.13E+03	1.76E+03	1.75E+03	1.52E+03	1.33E+03	1.07E+03	1.17E+03	1.14E+03	7.74E+02	4.29E+03	1.44E+06	2.10E+06	1.24E+06	5.51E+05	5.51	Residential		
629700	479040	1.86E+02	8.35E+03	6.69E+03	5.75E+03	7.21E+03	6.53E+03	5.71E+03	5.75E+03	3.28E+03	1.96E+03	1.62E+03	1.61E+03	1.32E+03	1.23E+03	9.82E+02	8.55E+02	1.05E+03	2.49E+07	3.69E+06	1.23E+06	1.32E+06	5.10E+05	5.10	Residential			
629720	479040	1.72E+02	7.74E+03	6.28E+03	5.33E+03	6.68E+03	5.89E+03	5.29E+03	5.33E+03	3.04E+03	1.82E+03	1.50E+03	1.49E+03	1.20E+03	1.11E+03	8.31E+02	7.93E+02	9.73E+02	2.15E+07	3.36E+06	1.13E+06	1.22E+06	4.75E+05	4.75	Residential			
629740	479040	1.62E+02	7.20E+03	5.82E+03	4.88E+03	6.22E+03	5.43E+03	4.84E+03	4.88E+03	2.74E+03	1.62E+03	1.34E+03	1.33E+03	1.04E+03	9.55E+02	7.23E+02	6.84E+02	8.09E+02	1.93E+07	3.06E+06	1.06E+06	1.15E+06	4.25E+05	4.25	Residential			
629760	479040	1.51E+02	6.77E+03	5.42E+03	4.46E+03	5.84E+03	5.15E+03	4.63E+03	4.66E+03	2.56E+03	1.59E+03	1.31E+03	1.31E+03	1.02E+03	9.94E+02	7.97E+02	7.99E+02	8.51E+02	2.02E+07	3.01E+06	1.08E+06	1.18E+06	4.46E+05	4.46	Residential			
629780	479040	1.42E+02	6.39E+03	5.11E+03	4.24E+03	5.45E+03	4.86E+03	4.37E+03	4.40E+03	2.51E+03	1.50E+03	1.24E+03	1.24E+03	9.84E+02	7.52E+02	7.54E+02	8.03E+02	1.91E+07	3.02E+06	1.07E+06	1.17E+06	4.20E+05	4.21	Residential				
629800	479040	1.33E+02	6.06E+03	4.85E+03	3.98E+03	5.19E+03	4.60E+03	4.11E+03	4.14E+03	2.46E+03	1.47E+03	1.21E+03	1.21E+03	9.36E+02	7.24E+02	7.26E+02	7.75E+02	1.82E+07	2.99E+06	1.06E+06	1.16E+06	4.13E+05	4.13	Residential				
629820	479040	1.24E+02	5.78E+03	4.59E+03	3.72E+03	4.93E+03	4.34E+03	3.85E+03	3.88E+03	2.41E+03	1.44E+03	1.19E+03	1.19E+03	9.14E+02	7.04E+02	7.06E+02	7.54E+02	1.73E+07	2.97E+06	1.05E+06	1.15E+06	4.08E+05	4.08	Residential				
629840	479040	1.15E+02	5.53E+03	4.34E+03	3.47E+03	4.68E+03	4.09E+03	3.60E+03	3.63E+03	2.36E+03	1.41E+03	1.17E+03	1.17E+03	8.94E+02	6.94E+02	6.96E+02	7.44E+02	1.64E+07	2.95E+06	1.04E+06	1.14E+06	4.03E+05	4.03	Residential				
629860	479040	1.06E+02	5.29E+03	4.09E+03	3.22E+03	4.43E+03	3.84E+03	3.35E+03	3.38E+03	2.31E+03	1.38E+03	1.15E+03	1.15E+03	8.75E+02	6.84E+02	6.86E+02	7.32E+02	1.55E+07	2.93E+06	1.03E+06	1.13E+06	3.98E+05	3.98	Residential				
629880	479040	9.7E+01	5.06E+03	3.84E+03	2.97E+03	4.18E+03	3.59E+03	3.10E+03	3.13E+03	2.24E+03	1.35E+03	1.13E+03	1.13E+03	8.56E+02	6.65E+02	6.67E+02	7.14E+02	1.46E+07	2.91E+06	1.02E+06	1.12E+06	3.93E+05	3.93	Residential				
629900	479040	8.8E+01	4.84E+03	3.60E+03	2.73E+03	3.94E+03	3.35E+03	2.86E+03	2.89E+03	2.15E+03	1.32E+03	1.11E+03	1.11E+03	8.37E+02	6.46E+02	6.48E+02	6.95E+02	1.37E+07	2.88E+06	1.01E+06	1.11E+06	3.88E+05	3.88	Residential				
629920	479040	7.9E+01	4.63E+03	3.36E+03	2.49E+03	3.73E+03	3.14E+03	2.65E+03	2.68E+03	2.06E+03	1.29E+03	1.09E+03	1.09E+03	8.18E+02	6.27E+02	6.29E+02	6.75E+02	1.28E+07	2.85E+06	1.00E+06	1.10E+06	3.83E+05	3.83	Residential				
629940	479040	7.0E+01	4.43E+03	3.13E+03	2.26E+03	3.53E+03	2.94E+03	2.45E+03	2.48E+03	1.94E+03	1.26E+03	1.05E+03	1.05E+03	8.00E+02	6.09E+02	6.11E+02	6.57E+02	1.19E+07	2.82E+06	9.9E+05	1.09E+06	3.78E+05	3.78	Residential				
629960	479040	6.1E+01	4.24E+03	2.90E+03	2.03E+03	3.34E+03	2.75E+03	2.26E+03	2.29E+03	1.80E+03	1.23E+03	1.03E+03	1.03E+03	7.81E+02	5.90E+02	5.92E+02	6.38E+02	1.10E+07	2.79E+06	9.8E+05	1.08E+06	3.73E+05	3.73	Residential				
629980	479040	5.2E+01	4.06E+03	2.67E+03	1.80E+03	3.15E+03	2.56E+03	2.07E+03	2.10E+03	1.60E+03	1.25E+03	1.04E+03	1.04E+03	7.62E+02	5.71E+02	5.73E+02	6.19E+02	1.01E+07	2.76E+06	9.7E+05	1.07E+06	3.68E+05	3.68	Residential				
629990	479040	4.3E+01	3.89E+03	2.44E+03	1.57E+03	2.96E+03	2.37E+03	1.88E+03	1.91E+03	1.40E+03	1.28E+03	1.07E+03	1.07E+03	7.43E+02	5.52E+02	5.54E+02	6.00E+02	9.2E+06	2.73E+06	9.5E+05	1.05E+06	3.63E+05	3.63	Residential				
630000	479040	3.4E+01	3.73E+03	2.21E+03	1.40E+03	2.77E+03	2.18E+03	1.69E+03	1.72E+03	1.20E+03	1.30E+03	1.08E+03	1.08E+03	7.24E+02	5.33E+02	5.35E+02	5.80E+02	8.3E+06	2.70E+06	9.4E+05	1.04E+06	3.58E+05	3.58	Residential				
630010	479040	2.5E+01	3.58E+03	1.98E+03	1.16E+03	2.60E+03	2.01E+03	1.52E+03	1.55E+03	1.00E+03	1.35E+03	1.13E+03	1.13E+03	7.05E+02	5.14E+02	5.16E+02	5.59E+02	7.4E+06	2.67E+06	9.3E+05	1.03E+06	3.53E+05	3.53	Residential				
630020	479040	1.6E+01	3.44E+03	1.76E+03	9.6E+02	2.41E+03	1.82E+03	1.33E+03	1.36E+03	7.0E+02	1.45E+03	1.21E+03	1.21E+03	6.86E+02	4.95E+02	4.97E+02	5.39E+02	6.5E+06	2.64E+06	9.2E+05	1.02E+06	3.48E+05	3.48	Residential				
630030	479040	7.0E+00	3.30E+03	1.64E+03	7.5E+02	2.26E+03	1.67E+03	1.18E+03	1.21E+03	5.0E+02	1.50E+03	1.26E+03	1.26E+03	6.67E+02	4.76E+02	4.78E+02	5.17E+02	5.6E+06	2.61E+06	9.1E+05	1.01E+06	3.43E+05	3.43	Residential				
630040	479040	2.0E+00	3.17E+03	1.49E+03	5.5E+02	2.11E+03	1.52E+03	1.03E+03	1.06E+03	3.0E+02	1.59E+03	1.32E+03	1.32E+03	6.48E+02	4.57E+02	4.59E+02	4.97E+02	4.7E+06	2.58E+06	9.0E+05	1.00E+06	3.38E+05	3.38	Residential				
630050	479040	1.0E+00	3.05E+03	1.38E+03	4.0E+02	1.96E+03	1.43E+03	9.4E+02	9.7E+02	1.0E+02	1.68E+03	1.41E+03	1.41E+03	6.29E+02	4.38E+02	4.40E+02	4.78E+02	4.0E+06	2.55E+06	8.9E+05	9.9E+05	3.35E+05	3.35	Residential				
630060	479040	0.5E+00	2.94E+03	1.30E+03	2.5E+02	1.81E+03	1.36E+03	8.5E+02	8.8E+02	5.0E+02	1.77E+03	1.44E+03	1.44E+03	6.10E+02	4.29E+02	4.31E+02	4.68E+02	3.5E+06	2.52E+06	8.8E+05	9.8E+05	3.32E+05	3.32	Residential				
630070	479040	0.2E+00	2.84E+03	1.22E+03	1.0E+02	1.66E+03	1.28E+03	7.6E+02	7.9E+02	2.0E+02	1.86E+03	1.47E+03	1.47E+03	5.91E+02	4.18E+02	4.20E+02	4.56E+02	2.8E+06	2.49E+06	8.7E+05	9.7E+05	3.29E+05	3.29	Residential				
630080	479040	0.1E+00	2.75E+03	1.15E+03	5.0E+01	1.51E+03	1.23E+03	6.5E+02	6.8E+02	5.0E+01	1.95E+03	1.50E+03	1.50E+03	5.72E+02	4.15E+02	4.17E+02	4.52E+02	2.3E+06	2.48E+06	8.6E+05	9.6E+05	3.26E+05	3.26	Residential				
630090	479040	0.0E+00	2.67E+03	1.09E+03	0.0E+00	1.36E+03	1.16E+03	5.0E+02	5.3E+02	0.0E+00	2.04E+03	1.55E+03	1.55E+03	5.53E+02	4.12E+02	4.14E+02	4.49E+02	1.7E+06	2.47E+06	8.5E+05	9.5E+05	3.23E+05	3.23	Residential				
630100	479040	0.0E+00	2.60E+03	1.04E+03	0.0E+00	1.21E+03	1.11E+03	4.0E+02	4.3E+02	0.0E+00	2.13E+03	1.58E+03	1.58E+03	5.34E+02	4.11E+02	4.13E+02	4.44E+02	1.4E+06	2.46E+06	8.4E+05	9.4E+05	3.20E+05	3.20	Residential				
630110	479040	0.0E+00	2.53E+03	9.9E+02	0.0E+00	1.06E+03	1.06E+03	3.0E+02	3.3E+02	0.0E+00	2.22E+03	1.61E+03	1.61E+03	5.15E+02	4.10E+02	4.12E+02	4.41E+02	1.1E+06	2.45E+06	8.3E+05	9.3E+05	3.17E+05	3.17	Residential				
630120	479040	0.0E+00	2.47E+03	9.4E+02	0.0E+00	9.1E+02	9.1E+02	1.0E+02	1.0E+02	0.0E+00	2.31E+03	1.62E+03	1.62E+03	5.06E+02	4.09E+02	4.11E+02	4.39E+02	9.0E+05	2.44E+06	8.2E+05	9.2E+05	3.14E+05	3.14	Residential				
630130	479040	0.0E+00	2.41E+03	8.9E+02	0.0E+00	7.6E+02	7.6E+02	5.0E+01	5.0E+01	0.0E+00	2.40E+03	1.63E+03	1.63E+03	4.97E+02	4.08E+02	4.10E+02	4.37E+02	7.9E+05	2.43E+06	8.1E+05	9.1E+05	3.11E+05	3.11	Residential				
630140	479040	0.0E+00	2.36E+03	8.4E+02	0.0E+00	6.1E+02	6.1E+02	0.0E+00	0.0E+00	0.0E+00	2.49E+03	1.64E+03	1.64E+03	4.88E+02	4.07E+02	4.09E+02	4.34E+02	6.8E+05	2.42E+06	8.0E+05	9.0E+05	3.08E+05	3.08	Residential				
630150	479040	0.0E+00	2.31E+03	7.9E+02	0.0E+00	4.6E+02	4.6E+02	0.0E+00	0.0E+00	0.0E+00	2.58E+03	1.65E+03	1.65E+03	4.79E+02	4.06E+02	4.08E+02	4.29E+02	5.7E+05	2.41E+06	7.9E+05	8.9E+05	3.05E+05	3.05	Residential				
630160	479040	0.0E+00	2.27E+03	7.4E+02	0.0E+00	3.1E+02	3.1E+02	0.0E+00	0.0E+00	0.0E+00	2.67E+03	1.66E+03	1.66E+03	4.70E+02	4.05E+02	4.07E+02	4.24E+02	4.6E+05	2.40E+06	7.8E+05	8.8E+05	3.02E+05	3.02	Residential				
630170	479040	0.0E+00	2.23E+03	6.9E+02	0.0E+00	1.6E+02	1.6E+02	0.0E+00	0.0E+00	0.0E+00	2.76E+03	1.67E+03	1.67E+03	4.61E+02	4.04E+02	4.06E+02	4.19E+02	3.5E+05	2.39E+06	7.7E+05	8.7E+05	3.00E+05	3.00	Residential				
630180	479040	0.0E+00	2.19E+03	6.4E+02	0.0E+00	1.0E+02	1.0E+02	0.0E+00	0.0E+00	0.0E+00	2.85E+03	1.68E+03	1.68E+03	4.52E+02	4.03E+02	4.05E+02	4.14E+02	2.4E+05	2.38E+06	7.6E+05	8.6E+05	2.97E+05	2.97	Residential				
630190	479040	0.0E+00	2.15E+03	5.9E+02	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	2.94E+03	1.69E+03	1.69E+03	4.43E+02	4.02E+02	4.04E+02	4.09E+02	1.3E+05	2.37E+06	7.5E+05	8.5E+05	2.94E+05	2.94	Residential				
630200	479040	0.0E+00	2.11E+03	5.4E+02	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	3.03E+03	1.70E+03	1.70E+03	4.34E+02	4.01E+02	4.03E+02	4.04E+02	0.2E+05	2.36E+06	7.4E+05	8.4E+05	2.91E+05	2.91	Residential				

X (UTM)	Y (UTM)	Diesel Particulate Matter concentration, C ₅₀ (ug/m ³)													Risk Calculation Part 3					Cancer Risk	Receptor Determination				
		Innovation Park													TR1-C50										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	3rd Trimester			95%	2-16	Total	per mill	Receptor Determination
628000	472620	2.9462	1.3212	1.0842	0.9103	1.1442	1.0124	0.9046	0.9197	5.2103	3.1023	2.5663	2.5532	1.5121	1.9493	1.5213	1.5213	1.6403	1.9447	6.2323	1.2048	1.2048	1.6403	8.1102	Residential
628000	472620	2.7002	1.2222	0.9738	0.8376	1.0522	0.9258	0.8316	0.8376	4.7804	2.8526	2.3512	2.3512	1.3783	1.8431	1.4304	1.4304	1.5326	1.8431	5.6722	1.0766	1.0766	1.5326	7.4186	Residential
628000	472720	4.9662	2.2222	1.7868	1.5452	1.9203	1.7026	1.5228	1.5452	8.7868	4.2536	4.2516	4.3004	8.6384	3.2724	2.6204	2.6204	2.8004	3.2724	11.3204	2.7804	2.7804	3.9404	17.4104	Residential
628120	472720	5.1562	2.2222	1.7868	1.5452	1.9203	1.7026	1.5228	1.5452	8.9868	4.2536	4.2516	4.3004	8.8384	3.2724	2.6204	2.6204	2.8004	3.2724	11.5204	2.7804	2.7804	3.9404	17.6104	Residential
628120	472820	5.6212	2.5322	2.0202	1.7442	2.1882	1.9222	1.7382	1.7442	9.9404	4.9384	4.8984	4.9384	9.7974	3.1714	2.9704	2.9704	3.1804	3.1714	12.4204	3.0804	3.0804	4.3404	19.1204	Residential
628120	472920	6.0212	2.7322	2.1702	1.8482	2.3382	2.0662	1.8582	1.8482	10.6404	5.3404	5.2804	5.3204	10.5004	3.3704	3.1804	3.1804	3.4004	3.3704	13.1204	3.2804	3.2804	4.5404	20.0204	Residential
628120	473020	6.4662	2.9322	2.3182	2.0122	2.5122	2.2122	1.9982	2.0122	11.1404	5.7404	5.6804	5.7204	11.0404	3.5704	3.4204	3.4204	3.6504	3.5704	13.8204	3.4804	3.4804	4.7404	20.9204	Residential
628120	473120	6.9462	3.1322	2.4662	2.1362	2.7162	2.4162	2.2102	2.1362	11.8404	6.1404	6.0804	6.1204	11.7404	3.7704	3.6204	3.6204	3.8604	3.7704	14.5204	3.6804	3.6804	5.0404	21.8204	Residential
628200	473120	7.5212	3.3822	2.7102	2.3382	2.9212	2.5712	2.3382	2.3382	12.3404	6.5404	6.4804	6.5204	12.2404	3.9704	3.8204	3.8204	4.0604	3.9704	15.2204	3.8804	3.8804	5.2404	22.7204	Residential
628220	473200	8.1712	3.6722	2.9462	2.5362	3.1762	2.8062	2.5312	2.5362	13.0404	6.9404	6.8804	6.9204	12.9404	4.1704	4.0204	4.0204	4.2604	4.1704	16.1204	4.0804	4.0804	5.4404	23.6204	Residential
628220	473300	8.8612	3.9622	3.1802	2.7662	3.4162	3.0462	2.7662	2.7662	13.7404	7.3404	7.2804	7.3204	13.6404	4.3704	4.2204	4.2204	4.4604	4.3704	17.0204	4.2804	4.2804	5.8204	24.5204	Residential
628220	473400	9.5812	4.2522	3.4182	3.0122	3.6462	3.2422	3.0122	3.0122	14.4404	7.7404	7.6804	7.7204	14.3404	4.5704	4.4204	4.4204	4.6604	4.5704	17.9204	4.4804	4.4804	6.2004	25.4204	Residential
628220	473500	10.3412	4.5422	3.6562	3.2362	3.8762	3.4362	3.2362	3.2362	15.1404	8.1404	8.0804	8.1204	15.0404	4.7704	4.6204	4.6204	4.8604	4.7704	18.8204	4.6804	4.6804	6.5404	26.3204	Residential
628220	473600	11.1412	4.8322	3.8942	3.4562	4.1062	3.6862	3.4562	3.4562	15.8404	8.5404	8.4804	8.5204	15.7404	4.9704	4.8204	4.8204	5.0604	4.9704	19.7204	4.8804	4.8804	6.8804	27.2204	Residential
628220	473700	11.9812	5.1222	4.1322	3.7362	4.3362	3.9162	3.7362	3.7362	16.5404	8.9404	8.8804	8.9204	16.4404	5.1704	5.0204	5.0204	5.2604	5.1704	20.6204	5.0804	5.0804	7.2204	28.1204	Residential
628220	473800	12.8612	5.4122	4.3702	3.9762	4.5362	4.1562	3.9762	3.9762	17.2404	9.3404	9.2804	9.3204	17.1404	5.3704	5.2204	5.2204	5.4604	5.3704	21.5204	5.2804	5.2804	7.5604	29.0204	Residential
628220	473900	13.7812	5.7022	4.6082	4.2162	4.7362	4.3362	4.2162	4.2162	17.9404	9.7404	9.6804	9.7204	17.8404	5.5704	5.4204	5.4204	5.6604	5.5704	22.4204	5.4804	5.4804	7.9004	29.9204	Residential
628220	474000	14.7412	5.9922	4.8462	4.4562	4.9362	4.5562	4.4562	4.4562	18.6404	10.1404	10.0804	10.1204	18.5404	5.7704	5.6204	5.6204	5.8604	5.7704	23.3204	5.6804	5.6804	8.2404	30.8204	Residential
628220	474100	15.7412	6.2822	5.0842	4.6962	5.1362	4.7562	4.6962	4.6962	19.3404	10.5404	10.4804	10.5204	19.2404	5.9704	5.8204	5.8204	6.0604	5.9704	24.2204	5.8804	5.8804	8.5804	31.7204	Residential
628220	474200	16.7812	6.5722	5.3222	4.9362	5.3362	4.9562	4.9362	4.9362	20.0404	10.9404	10.8804	10.9204	19.9404	6.1704	6.0204	6.0204	6.2604	6.1704	25.1204	6.0804	6.0804	8.9204	32.6204	Residential
628220	474300	17.8612	6.8622	5.5602	5.1762	5.5362	5.1562	5.1762	5.1762	20.7404	11.3404	11.2804	11.3204	20.6404	6.3704	6.2204	6.2204	6.4604	6.3704	26.0204	6.2804	6.2804	9.2604	33.5204	Residential
628220	474400	18.9812	7.1522	5.7982	5.4162	5.7362	5.3562	5.4162	5.4162	21.4404	11.7404	11.6804	11.7204	21.3404	6.5704	6.4204	6.4204	6.6604	6.5704	26.9204	6.4804	6.4804	9.6004	34.4204	Residential
628220	474500	20.1412	7.4422	6.0362	5.6562	6.0162	5.6362	5.6562	5.6562	22.1404	12.1404	12.0804	12.1204	22.0404	6.7704	6.6204	6.6204	6.8604	6.7704	27.8204	6.6804	6.6804	9.9404	35.3204	Residential
628220	474600	21.3412	7.7322	6.2742	5.8962	6.2562	5.8762	5.8962	5.8962	22.8404	12.5404	12.4804	12.5204	22.7404	6.9704	6.8204	6.8204	7.0604	6.9704	28.7204	6.8804	6.8804	10.2804	36.2204	Residential
628220	474700	22.5812	8.0222	6.5122	6.1362	6.4962	6.1162	6.1362	6.1362	23.5404	12.9404	12.8804	12.9204	23.4404	7.1704	7.0204	7.0204	7.2604	7.1704	29.6204	7.0804	7.0804	10.6204	37.1204	Residential
628220	474800	23.8612	8.3122	6.7502	6.3762	6.7362	6.3562	6.3762	6.3762	24.2404	13.3404	13.2804	13.3204	24.1404	7.3704	7.2204	7.2204	7.4604	7.3704	30.5204	7.2804	7.2804	10.9604	38.0204	Residential
628220	474900	25.1812	8.6022	6.9882	6.6162	7.0162	6.6362	6.6162	6.6162	24.9404	13.7404	13.6804	13.7204	24.8404	7.5704	7.4204	7.4204	7.6604	7.5704	31.4204	7.4804	7.4804	11.3004	38.9204	Residential
628220	475000	26.5412	8.8922	7.2262	6.8562	7.2562	6.8762	6.8562	6.8562	25.6404	14.1404	14.0804	14.1204	25.5404	7.7704	7.6204	7.6204	7.8604	7.7704	32.3204	7.6804	7.6804	11.6404	39.8204	Residential
628220	475100	27.9412	9.1822	7.4642	7.0962	7.4962	7.1162	7.0962	7.0962	26.3404	14.5404	14.4804	14.5204	26.2404	7.9704	7.8204	7.8204	8.0604	7.9704	33.2204	7.8804	7.8804	11.9804	40.7204	Residential
628220	475200	29.3812	9.4722	7.7022	7.3362	7.7362	7.3562	7.3362	7.3362	27.0404	14.9404	14.8804	14.9204	26.9404	8.1704	8.0204	8.0204	8.2604	8.1704	34.1204	8.0804	8.0804	12.3204	41.6204	Residential
628220	475300	30.8612	9.7622	7.9402	7.5762	7.9762	7.5962	7.5762	7.5762	27.7404	15.3404	15.2804	15.3204	27.6404	8.3704	8.2204	8.2204	8.4604	8.3704	35.0204	8.2804	8.2804	12.6604	42.5204	Residential
628220	475400	32.3812	10.0522	8.1782	7.8162	8.2162	7.8362	7.8162	7.8162	28.4404	15.7404	15.6804	15.7204	28.3404	8.5704	8.4204	8.4204	8.6604	8.5704	35.9204	8.4804	8.4804	13.0004	43.4204	Residential
628220	475500	33.9412	10.3422	8.4162	8.0562	8.4562	8.0762	8.0562	8.0562	29.1404	16.1404	16.0804	16.1204	29.0404	8.7704	8.6204	8.6204	8.8604	8.7704	36.8204	8.6804	8.6804	13.3404	44.3204	Residential
628220	475600	35.5412	10.6322	8.6542	8.2962	8.6962	8.3162	8.2962	8.2962	29.8404	16.5404	16.4804	16.5204	29.7404	8.9704	8.8204	8.8204	9.0604	8.9704	37.7204	8.8804	8.8804	13.6804	45.2204	Residential
628220	475700	37.1812	10.9222	8.8922	8.5362	8.9362	8.5562	8.5362	8.5362	30.5404	16.9404	16.8804	16.9204	30.4404	9.1704	9.0204	9.0204	9.2604	9.1704	38.6204	9.0804	9.0804	14.0204	46.1204	Residential
628220	475800	38.8612	11.2122	9.1302	8.7762	9.1762	8.7962	8.7762	8.7762	31.2404	17.3404	17.2804	17.3204	31.1404	9.3704	9.2204	9.2204	9.4604	9.3704	39.5204	9.2804	9.2804	14.3604	47.0204	Residential
628220	475900	40.5812	11.5022	9.3682	9.0162	9.4162	9.0362	9.0162	9.0162	31.9404	17.7404	17.6804	17.7204	31.8404	9.5704	9.4204	9.4204	9.6604	9.5704	40.4204	9.4804	9.4804	14.7004	47.9204	Residential
628220	476000	42.3412	11.7922	9.6062	9.2562	9.6562	9.2762	9.2562	9.2562	32.6404	18.1404	18.0804	18.1204	32.5404	9.7704	9.6204	9.6204	9.8604	9.7704	41.3204	9.6804	9.6804	15.0404	48.8204	Residential
628220	476100	44.1412	12.0822	9.8442	9.4962	9.9462	9.5162	9.4962	9.4962	33.3404	18.5404	18.4804	18.5204	33.2404	9.9704	9.8204	9.8204	10.0604	9.9704	42.2204	9.8804	9.8804	15.3804	49.7204	Residential
628220	476200	45.9812	12.3722	10.0822	9.7362	10.1462	9.7562	9.7362	9.7362	34.0404	18.9404	18.8804	18.9204	33.9404	10.1704	10.0204	10.0204	10.2604	10.1704	43.1204	10.0804	10.0804	15.7204	50.6204	Residential
628220	476300	47.8612	12.6622	10.3202	9.9762	10.3862	9.9962	9.9762	9.9762																

Diesel Particulate Matter concentration, C _{50µ} (µg/m ³)											Risk Calculation Part 2													
X (UTM)	Y (UTM)	Innovation Park																			Cancer Risk			
		2022	2025	2028	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	3rd Trimester	B2c	2c1b	Total	per million	Receptor Determination
629260	427880	2.37E-02	1.06E-02	8.51E-03	7.32E-03	8.17E-03	8.02E-03	7.97E-03	7.32E-03	4.18E-03	2.49E-03	2.06E-03	2.02E-03	4.12E-03	1.56E-03	1.25E-03	1.25E-03	1.34E-03	3.37E-07	5.08E-06	1.69E-06	7.01E-06	7.01	Indekrum High School
629280	427880	2.31E-02	1.05E-02	8.40E-03	7.23E-03	8.06E-03	7.98E-03	7.18E-03	7.23E-03	4.13E-03	2.46E-03	2.03E-03	2.02E-03	4.06E-03	1.54E-03	1.24E-03	1.24E-03	1.32E-03	3.18E-07	4.87E-06	1.67E-06	6.92E-06	6.92	Indekrum High School
629300	427880	2.30E-02	1.03E-02	8.29E-03	7.13E-03	8.93E-03	7.87E-03	7.08E-03	7.13E-03	4.07E-03	2.43E-03	2.00E-03	2.00E-03	4.01E-03	1.52E-03	1.22E-03	1.22E-03	1.30E-03	3.09E-07	4.78E-06	1.64E-06	6.82E-06	6.82	Indekrum High School
629320	427880	2.27E-02	1.02E-02	8.16E-03	7.02E-03	8.80E-03	7.76E-03	6.97E-03	7.02E-03	4.01E-03	2.39E-03	1.97E-03	1.97E-03	3.95E-03	1.50E-03	1.20E-03	1.20E-03	1.28E-03	3.04E-07	4.68E-06	1.62E-06	6.72E-06	6.72	Indekrum High School
629220	427900	2.25E-02	1.06E-02	8.46E-03	7.28E-03	9.12E-03	8.04E-03	7.23E-03	7.28E-03	4.15E-03	2.48E-03	2.04E-03	2.04E-03	4.09E-03	1.55E-03	1.24E-03	1.25E-03	1.33E-03	3.15E-07	4.97E-06	1.68E-06	6.97E-06	6.97	Indekrum High School
629240	427900	2.27E-02	1.06E-02	8.52E-03	7.33E-03	9.19E-03	8.10E-03	7.28E-03	7.33E-03	4.18E-03	2.50E-03	2.06E-03	2.06E-03	4.12E-03	1.56E-03	1.26E-03	1.26E-03	1.34E-03	3.18E-07	5.01E-06	1.69E-06	7.02E-06	7.02	Indekrum High School
629260	427900	2.28E-02	1.07E-02	8.56E-03	7.37E-03	9.23E-03	8.14E-03	7.31E-03	7.37E-03	4.20E-03	2.51E-03	2.07E-03	2.06E-03	4.14E-03	1.57E-03	1.26E-03	1.26E-03	1.34E-03	3.19E-07	5.03E-06	1.70E-06	7.05E-06	7.05	Indekrum High School
629280	427900	2.29E-02	1.07E-02	8.60E-03	7.40E-03	9.27E-03	8.17E-03	7.35E-03	7.40E-03	4.21E-03	2.52E-03	2.08E-03	2.07E-03	4.16E-03	1.58E-03	1.26E-03	1.27E-03	1.35E-03	3.21E-07	5.06E-06	1.71E-06	7.08E-06	7.08	Indekrum High School
629200	427900	2.40E-02	1.08E-02	8.64E-03	7.44E-03	9.32E-03	8.21E-03	7.38E-03	7.44E-03	4.24E-03	2.53E-03	2.09E-03	2.08E-03	4.18E-03	1.58E-03	1.27E-03	1.27E-03	1.36E-03	3.22E-07	5.08E-06	1.72E-06	7.12E-06	7.12	Indekrum High School
629240	427900	2.40E-02	1.08E-02	8.64E-03	7.44E-03	9.32E-03	8.21E-03	7.38E-03	7.44E-03	4.24E-03	2.53E-03	2.09E-03	2.08E-03	4.18E-03	1.58E-03	1.27E-03	1.27E-03	1.36E-03	3.22E-07	5.08E-06	1.72E-06	7.12E-06	7.12	Indekrum High School
629260	427900	2.40E-02	1.08E-02	8.64E-03	7.44E-03	9.32E-03	8.21E-03	7.38E-03	7.44E-03	4.24E-03	2.53E-03	2.09E-03	2.08E-03	4.18E-03	1.58E-03	1.27E-03	1.27E-03	1.36E-03	3.22E-07	5.08E-06	1.72E-06	7.12E-06	7.12	Indekrum High School
629280	427900	2.40E-02	1.08E-02	8.64E-03	7.44E-03	9.32E-03	8.21E-03	7.38E-03	7.44E-03	4.24E-03	2.53E-03	2.09E-03	2.08E-03	4.18E-03	1.58E-03	1.27E-03	1.27E-03	1.36E-03	3.22E-07	5.08E-06	1.72E-06	7.12E-06	7.12	Indekrum High School
629300	427900	2.39E-02	1.07E-02	8.60E-03	7.40E-03	9.27E-03	8.17E-03	7.34E-03	7.40E-03	4.22E-03	2.52E-03	2.08E-03	2.07E-03	4.16E-03	1.58E-03	1.26E-03	1.27E-03	1.35E-03	3.20E-07	5.05E-06	1.71E-06	7.08E-06	7.08	Indekrum High School
629120	427900	2.28E-02	1.07E-02	8.58E-03	7.38E-03	9.24E-03	8.15E-03	7.33E-03	7.38E-03	4.21E-03	2.51E-03	2.07E-03	2.07E-03	4.15E-03	1.57E-03	1.26E-03	1.26E-03	1.35E-03	3.20E-07	5.04E-06	1.70E-06	7.05E-06	7.05	Indekrum High School
629140	427900	2.27E-02	1.07E-02	8.54E-03	7.35E-03	9.21E-03	8.12E-03	7.30E-03	7.35E-03	4.19E-03	2.50E-03	2.06E-03	2.06E-03	4.13E-03	1.57E-03	1.26E-03	1.26E-03	1.34E-03	3.18E-07	5.02E-06	1.70E-06	7.04E-06	7.04	Indekrum High School
629160	427900	2.27E-02	1.06E-02	8.51E-03	7.32E-03	9.18E-03	8.09E-03	7.27E-03	7.32E-03	4.18E-03	2.49E-03	2.06E-03	2.05E-03	4.12E-03	1.56E-03	1.25E-03	1.25E-03	1.34E-03	3.17E-07	5.00E-06	1.69E-06	7.01E-06	7.01	Indekrum High School
629180	427900	2.26E-02	1.06E-02	8.48E-03	7.29E-03	9.14E-03	8.05E-03	7.24E-03	7.29E-03	4.16E-03	2.48E-03	2.05E-03	2.04E-03	4.10E-03	1.55E-03	1.25E-03	1.25E-03	1.33E-03	3.16E-07	4.98E-06	1.68E-06	6.98E-06	6.98	Indekrum High School
629200	427900	2.24E-02	1.05E-02	8.43E-03	7.25E-03	9.09E-03	8.01E-03	7.20E-03	7.25E-03	4.14E-03	2.47E-03	2.04E-03	2.03E-03	4.08E-03	1.55E-03	1.24E-03	1.24E-03	1.32E-03	3.14E-07	4.96E-06	1.67E-06	6.94E-06	6.94	Indekrum High School
629220	427900	2.23E-02	1.05E-02	8.37E-03	7.20E-03	9.02E-03	7.95E-03	7.15E-03	7.20E-03	4.11E-03	2.45E-03	2.02E-03	2.02E-03	4.05E-03	1.53E-03	1.23E-03	1.23E-03	1.31E-03	3.12E-07	4.92E-06	1.66E-06	6.89E-06	6.89	Indekrum High School
629240	427900	2.21E-02	1.04E-02	8.30E-03	7.14E-03	8.94E-03	7.89E-03	7.09E-03	7.14E-03	4.07E-03	2.43E-03	2.00E-03	2.00E-03	4.02E-03	1.52E-03	1.22E-03	1.22E-03	1.30E-03	3.09E-07	4.88E-06	1.65E-06	6.83E-06	6.83	Indekrum High School
629260	427900	2.28E-02	1.03E-02	8.21E-03	7.06E-03	8.85E-03	7.80E-03	7.01E-03	7.06E-03	4.03E-03	2.40E-03	1.98E-03	1.98E-03	3.97E-03	1.50E-03	1.21E-03	1.21E-03	1.29E-03	3.06E-07	4.83E-06	1.63E-06	6.76E-06	6.76	Indekrum High School
629280	427900	2.26E-02	1.02E-02	8.12E-03	6.99E-03	8.76E-03	7.72E-03	6.94E-03	6.99E-03	3.99E-03	2.38E-03	1.96E-03	1.96E-03	3.94E-03	1.49E-03	1.19E-03	1.19E-03	1.28E-03	3.03E-07	4.78E-06	1.61E-06	6.69E-06	6.69	Indekrum High School
629300	427900	2.23E-02	1.02E-02	8.02E-03	6.90E-03	8.65E-03	7.62E-03	6.85E-03	6.90E-03	3.94E-03	2.35E-03	1.94E-03	1.93E-03	3.88E-03	1.47E-03	1.18E-03	1.18E-03	1.26E-03	2.99E-07	4.72E-06	1.59E-06	6.61E-06	6.61	Indekrum High School
629220	427920	2.26E-02	1.01E-02	8.13E-03	6.95E-03	8.76E-03	7.72E-03	6.94E-03	6.95E-03	3.99E-03	2.38E-03	1.96E-03	1.96E-03	3.94E-03	1.49E-03	1.19E-03	1.19E-03	1.28E-03	3.03E-07	4.78E-06	1.61E-06	6.69E-06	6.69	Indekrum High School
629240	427920	2.27E-02	1.02E-02	8.19E-03	7.00E-03	8.82E-03	7.78E-03	6.99E-03	7.04E-03	4.02E-03	2.40E-03	1.98E-03	1.97E-03	3.96E-03	1.50E-03	1.20E-03	1.21E-03	1.29E-03	3.05E-07	4.81E-06	1.62E-06	6.74E-06	6.74	Indekrum High School
629260	427920	2.29E-02	1.03E-02	8.23E-03	7.03E-03	8.87E-03	7.82E-03	7.03E-03	7.08E-03	4.04E-03	2.41E-03	1.99E-03	1.98E-03	3.98E-03	1.51E-03	1.21E-03	1.21E-03	1.29E-03	3.07E-07	4.84E-06	1.63E-06	6.78E-06	6.78	Indekrum High School
629280	427920	2.30E-02	1.03E-02	8.27E-03	7.11E-03	8.91E-03	7.86E-03	7.06E-03	7.11E-03	4.06E-03	2.42E-03	2.00E-03	1.99E-03	4.00E-03	1.52E-03	1.22E-03	1.22E-03	1.30E-03	3.08E-07	4.86E-06	1.64E-06	6.81E-06	6.81	Indekrum High School
629200	427920	2.30E-02	1.04E-02	8.29E-03	7.14E-03	8.94E-03	7.88E-03	7.09E-03	7.14E-03	4.07E-03	2.43E-03	2.00E-03	2.00E-03	4.01E-03	1.52E-03	1.22E-03	1.22E-03	1.30E-03	3.09E-07	4.88E-06	1.65E-06	6.83E-06	6.83	Indekrum High School
629220	427920	2.31E-02	1.04E-02	8.31E-03	7.15E-03	8.95E-03	7.89E-03	7.10E-03	7.15E-03	4.08E-03	2.43E-03	2.01E-03	2.00E-03	4.02E-03	1.52E-03	1.22E-03	1.22E-03	1.30E-03	3.10E-07	4.88E-06	1.65E-06	6.84E-06	6.84	Indekrum High School
629240	427920	2.31E-02	1.04E-02	8.31E-03	7.15E-03	8.95E-03	7.89E-03	7.10E-03	7.15E-03	4.08E-03	2.43E-03	2.01E-03	2.00E-03	4.02E-03	1.52E-03	1.22E-03	1.22E-03	1.30E-03	3.10E-07	4.88E-06	1.65E-06	6.84E-06	6.84	Indekrum High School
629260	427920	2.31E-02	1.04E-02	8.31E-03	7.15E-03	8.95E-03	7.89E-03	7.10E-03	7.15E-03	4.08E-03	2.43E-03	2.01E-03	2.00E-03	4.02E-03	1.52E-03	1.22E-03	1.22E-03	1.30E-03	3.10E-07	4.88E-06	1.65E-06	6.84E-06	6.84	Indekrum High School
629280	427920	2.31E-02	1.04E-02	8.31E-03	7.15E-03	8.95E-03	7.89E-03	7.10E-03	7.15E-03	4.08E-03	2.43E-03	2.01E-03	2.00E-03	4.02E-03	1.52E-03	1.22E-03	1.22E-03	1.30E-03	3.10E-07	4.88E-06	1.65E-06	6.84E-06	6.84	Indekrum High School
629300	427920	2.29E-02	1.03E-02	8.27E-03	7.11E-03	8.91E-03	7.86E-03	7.06E-03	7.11E-03	4.06E-03	2.42E-03	2.00E-03	1.99E-03	4.00E-03	1.52E-03	1.22E-03	1.22E-03	1.30E-03	3.09E-07	4.86E-06	1.64E-06	6.80E-06	6.80	Indekrum High School
629120	427920	2.28E-02	1.03E-02	8.23E-03	7.10E-03	8.89E-03	7.84E-03	7.05E-03	7.10E-03	4.05E-03	2.42E-03	1.99E-03	1.99E-03	3.99E-03	1.51E-03	1.21E-03	1.21E-03	1.30E-03	3.08E-07	4.85E-06	1.64E-06	6.80E-06	6.80	Indekrum High School
629140	427920	2.29E-02	1.03E-02	8.23E-03	7.10E-03	8.89E-03	7.84E-03	7.05E-03	7.10E-03	4.05E-03	2.42E-03	1.99E-03	1.99E-03	3.99E-03	1.51E-03	1.21E-03	1.21E-03	1.30E-03	3.08E-07	4.85E-06	1.64E-06	6.80E-06	6.80	Indekrum High School
629160	427920	2.28E-02	1.02E-02	8.21E-03	7.06E-03	8.84E-03	7.80E-03	7.01E-03	7.06E-03	4.03E-03	2.40E-03	1.98E-03	1.98E-03	3.97E-03	1.50E-03	1.21E-03	1.21E-03	1.29E-03	3.06E-07	4.82E-06	1.63E-06	6.76E-06	6.76	Indekrum High School
629180	427920	2.27E-02	1.02E-02	8.18E-03	7.04E-03	8.82E-03	7.77E-03	6.99E-03	7.04E-03	4.02E-03	2.40E-03	1.98E-03	1.97E-03	3.96E-03	1.50E-03	1.20E-03	1.21E-03	1.29E-03	3.05E-07	4.81E-06	1.62E-06	6.74E-06	6.74	Indekrum High School
629200	427920	2.26E-02	1.02E-02	8.14E-03	7.00E-03	8.77E-03	7.73																	

Innovation Park PUD

Innovation Park (no CNU)

Mitigated Innovation Park (no CNU) Construction Cancer Risk Calculations for Residential Child Receptor

Construction Emissions, as applied to AERMOD results. Table with columns for Year, Start Date, Stop Date, 3rd Trimester, 2c16, Duration, and Mitigated DPM (g/s).

Risk Factors

Table with columns for Abatement, UQM, 3rd Trimester, 2c2, 2c16. Rows include Daily Breathing Rate, Fraction of Time at Home, Exposure Frequency, Age Sensitivity Factor, Inhalation Absorption Factor, Conversion Factor, Cancer Potency Factor, and Averaging Time.

Intake Factor for Inhalation, If (m³/hg-day)

Table with columns for Year, Equation, 3rd Trimester, 2c2, 2c16. It includes a sub-table for Risk Calculation Part 1, R1 with columns for 3rd Trimester and 2c16.

Diesel Particulate Matter concentration, Cpm (ug/m³)

Large data table for Diesel Particulate Matter concentration. Columns include X (UTM), Y (UTM), and years from 2022 to 2038. It includes a sub-table for Innovation Park with columns for 3rd Trimester, 2c2, 2c16.

Risk Calculation Part 2

Table for Risk Calculation Part 2. Columns include 3rd Trimester, 2c2, 2c16, Total, Cancer Risk per million, and Receptor Determination. It includes a sub-table for Innovation Park with columns for 3rd Trimester and 2c16.

Diesel Particulate Matter concentration, C_{PM10} (µg/m³)

Table with columns for X (UTM), Y (UTM), and Risk Calculation Part 2 (3rd Trimester, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, Total, Cancer Risk, Receptor Determination). Rows represent various locations and dates from 2022 to 2038.

Diesel Particulate Matter concentration, C₅₀ (µg/m³)

Table with columns for X (UTM), Y (UTM), Year (2022-2038), Innovation Part (2020-2030), Risk Calculation Part 2 (3rd Trimester, 95%, 2-10, Total), Cancer Risk (per million), and Receptor Determination. The table contains a dense grid of numerical data for each year and receptor location.

Diesel Particulate Matter concentration, C _{50μ} (ug/m ³)		Innovation Park																	
X (UTM)	Y (UTM)	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	
629260	427880	1.20E-03	6.44E-04	5.66E-04	5.65E-04	7.20E-04	6.43E-04	5.62E-04	5.65E-04	7.20E-04	6.43E-04	5.66E-04	5.63E-04	7.07E-04	6.49E-04	5.66E-04	5.65E-04	3.38E-04	
629280	427880	1.19E-03	6.36E-04	5.59E-04	5.58E-04	7.10E-04	6.35E-04	5.55E-04	5.58E-04	7.10E-04	6.35E-04	5.59E-04	5.56E-04	6.98E-04	6.41E-04	5.58E-04	5.58E-04	3.34E-04	
629300	427880	1.17E-03	6.27E-04	5.51E-04	5.50E-04	7.01E-04	6.26E-04	5.47E-04	5.50E-04	7.01E-04	6.26E-04	5.51E-04	5.48E-04	6.88E-04	6.32E-04	5.51E-04	5.50E-04	3.29E-04	
629320	427880	1.15E-03	6.18E-04	5.43E-04	5.42E-04	6.90E-04	6.17E-04	5.39E-04	5.42E-04	6.90E-04	6.17E-04	5.43E-04	5.40E-04	6.78E-04	6.23E-04	5.43E-04	5.42E-04	3.24E-04	
629340	427900	1.14E-03	6.10E-04	5.35E-04	5.34E-04	6.80E-04	6.09E-04	5.31E-04	5.34E-04	6.80E-04	6.09E-04	5.35E-04	5.32E-04	6.68E-04	6.14E-04	5.35E-04	5.34E-04	3.20E-04	
629360	427900	1.12E-03	6.02E-04	5.27E-04	5.26E-04	6.70E-04	6.01E-04	5.23E-04	5.26E-04	6.70E-04	6.01E-04	5.27E-04	5.24E-04	6.58E-04	6.04E-04	5.27E-04	5.26E-04	3.16E-04	
629380	427900	1.10E-03	5.94E-04	5.19E-04	5.18E-04	6.60E-04	5.93E-04	5.15E-04	5.18E-04	6.60E-04	5.93E-04	5.19E-04	5.16E-04	6.48E-04	5.94E-04	5.19E-04	5.18E-04	3.12E-04	
629400	427900	1.08E-03	5.86E-04	5.11E-04	5.10E-04	6.50E-04	5.85E-04	5.07E-04	5.10E-04	6.50E-04	5.85E-04	5.11E-04	5.08E-04	6.38E-04	5.86E-04	5.11E-04	5.10E-04	3.08E-04	
629420	427900	1.06E-03	5.78E-04	5.03E-04	5.02E-04	6.40E-04	5.77E-04	5.00E-04	5.02E-04	6.40E-04	5.77E-04	5.03E-04	5.00E-04	6.28E-04	5.78E-04	5.03E-04	5.02E-04	3.04E-04	
629440	427900	1.04E-03	5.70E-04	4.95E-04	4.94E-04	6.30E-04	5.69E-04	4.92E-04	4.94E-04	6.30E-04	5.69E-04	4.95E-04	4.92E-04	6.18E-04	5.70E-04	4.95E-04	4.94E-04	3.00E-04	
629460	427900	1.02E-03	5.62E-04	4.87E-04	4.86E-04	6.20E-04	5.61E-04	4.84E-04	4.86E-04	6.20E-04	5.61E-04	4.87E-04	4.84E-04	6.08E-04	5.62E-04	4.87E-04	4.86E-04	2.96E-04	
629480	427900	1.00E-03	5.54E-04	4.79E-04	4.78E-04	6.10E-04	5.53E-04	4.76E-04	4.78E-04	6.10E-04	5.53E-04	4.79E-04	4.76E-04	5.98E-04	5.54E-04	4.79E-04	4.78E-04	2.92E-04	
629500	427900	9.80E-04	5.46E-04	4.71E-04	4.70E-04	6.00E-04	5.45E-04	4.68E-04	4.70E-04	6.00E-04	5.45E-04	4.71E-04	4.68E-04	5.88E-04	5.46E-04	4.71E-04	4.70E-04	2.88E-04	
629520	427900	9.60E-04	5.38E-04	4.63E-04	4.62E-04	5.90E-04	5.37E-04	4.60E-04	4.62E-04	5.90E-04	5.37E-04	4.63E-04	4.60E-04	5.78E-04	5.38E-04	4.63E-04	4.62E-04	2.84E-04	
629540	427900	9.40E-04	5.30E-04	4.55E-04	4.54E-04	5.80E-04	5.29E-04	4.52E-04	4.54E-04	5.80E-04	5.29E-04	4.55E-04	4.52E-04	5.68E-04	5.30E-04	4.55E-04	4.54E-04	2.80E-04	
629560	427900	9.20E-04	5.22E-04	4.47E-04	4.46E-04	5.70E-04	5.21E-04	4.44E-04	4.46E-04	5.70E-04	5.21E-04	4.47E-04	4.44E-04	5.58E-04	5.22E-04	4.47E-04	4.46E-04	2.76E-04	
629580	427880	1.00E-03	6.44E-04	5.66E-04	5.65E-04	7.20E-04	6.43E-04	5.62E-04	5.65E-04	7.20E-04	6.43E-04	5.66E-04	5.63E-04	7.07E-04	6.49E-04	5.66E-04	5.65E-04	3.38E-04	
629600	427880	1.00E-03	6.44E-04	5.66E-04	5.65E-04	7.20E-04	6.43E-04	5.62E-04	5.65E-04	7.20E-04	6.43E-04	5.66E-04	5.63E-04	7.07E-04	6.49E-04	5.66E-04	5.65E-04	3.38E-04	
629620	427880	1.00E-03	6.44E-04	5.66E-04	5.65E-04	7.20E-04	6.43E-04	5.62E-04	5.65E-04	7.20E-04	6.43E-04	5.66E-04	5.63E-04	7.07E-04	6.49E-04	5.66E-04	5.65E-04	3.38E-04	
629640	427880	1.00E-03	6.44E-04	5.66E-04	5.65E-04	7.20E-04	6.43E-04	5.62E-04	5.65E-04	7.20E-04	6.43E-04	5.66E-04	5.63E-04	7.07E-04	6.49E-04	5.66E-04	5.65E-04	3.38E-04	
629660	427880	1.00E-03	6.44E-04	5.66E-04	5.65E-04	7.20E-04	6.43E-04	5.62E-04	5.65E-04	7.20E-04	6.43E-04	5.66E-04	5.63E-04	7.07E-04	6.49E-04	5.66E-04	5.65E-04	3.38E-04	
629680	427880	1.00E-03	6.44E-04	5.66E-04	5.65E-04	7.20E-04	6.43E-04	5.62E-04	5.65E-04	7.20E-04	6.43E-04	5.66E-04	5.63E-04	7.07E-04	6.49E-04	5.66E-04	5.65E-04	3.38E-04	
629700	427880	1.00E-03	6.44E-04	5.66E-04	5.65E-04	7.20E-04	6.43E-04	5.62E-04	5.65E-04	7.20E-04	6.43E-04	5.66E-04	5.63E-04	7.07E-04	6.49E-04	5.66E-04	5.65E-04	3.38E-04	

Risk Calculation Part 2					Cancer Risk	
3rd Trimester	IR*CGW			Total	per million	Receptor Determination
	9-2	2-10	2-10			
1.61E-08	2.77E-07	2.24E-07	5.17E-07	0.52		Indekrum High School
1.57E-08	2.70E-07	2.18E-07	5.03E-07	0.51		Indekrum High School
1.55E-08	2.66E-07	2.14E-07	4.96E-07	0.50		Indekrum High School
1.60E-08	2.75E-07	2.22E-07	5.14E-07	0.51		Indekrum High School
1.62E-08	2.77E-07	2.24E-07	5.17E-07	0.52		Indekrum High School
1.62E-08	2.77E-07	2.24E-07	5.17E-07	0.52		Indekrum High School
1.62E-08	2.77E-07	2.24E-07	5.17E-07	0.52		Indekrum High School
1.63E-08	2.80E-07	2.26E-07	5.22E-07	0.52		Indekrum High School
1.64E-08	2.81E-07	2.27E-07	5.24E-07	0.52		Indekrum High School
1.64E-08	2.81E-07	2.27E-07	5.24E-07	0.52		Indekrum High School
1.64E-08	2.81E-07	2.27E-07	5.24E-07	0.52		Indekrum High School
1.64E-08	2.81E-07	2.27E-07	5.24E-07	0.52		Indekrum High School
1.64E-08	2.81E-07	2.27E-07	5.24E-07	0.52		Indekrum High School
1.64E-08	2.81E-07	2.27E-07	5.24E-07	0.52		Indekrum High School
1.63E-08	2.80E-07	2.26E-07	5.22E-07	0.52		Indekrum High School
1.62E-08	2.78E-07	2.24E-07	5.19E-07	0.52		Indekrum High School
1.61E-08	2.77E-07	2.24E-07	5.17E-07	0.51		Indekrum High School
1.61E-08	2.77E-07	2.24E-07	5.17E-07	0.51		Indekrum High School
1.62E-08	2.78E-07	2.24E-07	5.19E-07	0.51		Indekrum High School
1.60E-08	2.74E-07	2.21E-07	5.12E-07	0.51		Indekrum High School
1.59E-08	2.72E-07	2.20E-07	5.10E-07	0.51		Indekrum High School
1.57E-08	2.70E-07	2.18E-07	5.04E-07	0.50		Indekrum High School
1.56E-08	2.67E-07	2.16E-07	4.98E-07	0.50		Indekrum High School
1.54E-08	2.64E-07	2.13E-07	4.93E-07	0.49		Indekrum High School
1.52E-08	2.61E-07	2.11E-07	4.87E-07	0.49		Indekrum High School
1.54E-08	2.65E-07	2.13E-07	4.93E-07	0.49		Indekrum High School
1.55E-08	2.66E-07	2.15E-07	4.97E-07	0.50		Indekrum High School
1.56E-08	2.68E-07	2.16E-07	5.00E-07	0.50		Indekrum High School
1.57E-08	2.69E-07	2.17E-07	5.02E-07	0.50		Indekrum High School
1.57E-08	2.70E-07	2.18E-07	5.04E-07	0.50		Indekrum High School
1.58E-08	2.71E-07	2.18E-07	5.05E-07	0.50		Indekrum High School
1.58E-08	2.71E-07	2.18E-07	5.05E-07	0.50		Indekrum High School
1.57E-08	2.70E-07	2.18E-07	5.04E-07	0.50		Indekrum High School
1.56E-08	2.68E-07	2.16E-07	4.98E-07	0.50		Indekrum High School
1.57E-08	2.69E-07	2.17E-07	5.01E-07	0.50		Indekrum High School
1.56E-08	2.67E-07	2.16E-07	4.96E-07	0.50		Indekrum High School
1.57E-08	2.68E-07	2.17E-07	5.00E-07	0.50		Indekrum High School
1.55E-08	2.66E-07	2.15E-07	4.97E-07	0.50		Indekrum High School
1.54E-08	2.65E-07	2.14E-07	4.94E-07	0.49		Indekrum High School
1.53E-08	2.63E-07	2.12E-07	4.89E-07	0.49		Indekrum High School
1.52E-08	2.61E-07	2.11E-07	4.87E-07	0.49		Indekrum High School
1.51E-08	2.58E-07	2.09E-07	4.82E-07	0.48		Indekrum High School
2.50E-08	4.29E-07	3.46E-07	8.00E-07	0.80		Little Blossom Montessori
2.43E-08	4.17E-07	3.37E-07	7.79E-07	0.78		Little Blossom Montessori
2.14E-08	3.67E-07	2.96E-07	6.85E-07	0.69		Little Blossom Montessori
1.91E-08	3.28E-07	2.65E-07	6.12E-07	0.61		Little Blossom Montessori
2.19E-08	3.76E-07	3.04E-07	7.02E-07	0.70		Little Blossom Montessori

C3-2 Cancer Risk Calculations (CNU Medical Center)

Innovation Park PUD

CNU Campus

Unmitigated CNU Campus Construction Cancer Risk Calculations for Residential Child Receptor

Construction Emissions, as applied to AERMOD results

Year	Start Date	Stop Date	Days				Unmitigated DPM	
			3rd Trimester	O-2	2<16	Duration	tons	g/s
2022	2/1/2022	12/31/2022	90.00	244.00	0.00	334	2.06E-01	6.46E-03
2023	1/1/2023	12/31/2023	0.00	365.00	0.00	365	1.67E-01	4.81E-03
2024	1/1/2024	12/31/2024	0.00	121.00	245.00	366	1.87E-01	5.37E-03
2025	1/1/2025	12/31/2025	0.00	0.00	365.00	365	1.01E-01	2.92E-03
2026	1/1/2026	12/31/2026	0.00	0.00	365.00	365	8.83E-03	2.54E-04
2027	1/1/2027	12/31/2027	0.00	0.00	365.00	365	8.71E-02	2.51E-03
2028	1/1/2028	12/31/2028	0.00	0.00	365.00	366	2.79E-01	6.86E-03
2029	1/1/2029	12/31/2029	0.00	0.00	365.00	365	2.42E-01	6.96E-03
2030	1/1/2030	12/31/2030	0.00	0.00	365.00	365	5.49E-02	1.58E-03
2031	1/1/2031	12/31/2031	0.00	0.00	365.00	365	6.74E-02	1.94E-03
2032	1/1/2032	8/31/2032	0.00	0.00	244.00	244	2.70E-02	1.16E-03

Risk Factors

Abbreviation	UOM	3rd Trimester	O-2	2<16
Daily Breathing Rate (95th %ile)	DBR L/kg-day	361	1090	572
Fraction of Time at Home	FAH unitless	1	1	1
Exposure Frequency	EF days/year	0.96	0.96	0.96
Age Sensitivity Factor	ASF unitless	10	10	3
Inhalation Absorption Factor	A unitless	1	1	1
Conversion Factor	CF1 m ³ /L	0.001	0.001	0.001
Conversion Factor	CF2 μg/m ³	0.001	0.001	0.001
Cancer Potency Factor (diesel exhaust)	CF3 mg/kg-day ⁻¹	1.1	1.1	1.1
Averaging Time (for residential exposure)	AT years	70.00	70.00	70.00

3864 1.39 0.24

Intake Factor for Inhalation, IF (m³/kg-day)

Year	Equation	3rd Trimester	O-2	2<16
2022		0.012	0.100	0.000
2023		0.000	0.149	0.000
2024		0.000	0.049	0.016
2025	DBR*FAH*EF	0.000	0.000	0.024
2026	*ED*ASF*A	0.000	0.000	0.024
2027	*CF/AT	0.000	0.000	0.024
2028		0.000	0.000	0.024
2029		0.000	0.000	0.024
2030		0.000	0.000	0.024
2031		0.000	0.000	0.024
2032		0.000	0.000	0.016

Risk Calculation Part 1, R1

3rd Trimester	O-2	2<16
1.34E-05	1.10E-04	0.00E+00
0.00E+00	1.64E-04	0.00E+00
0.00E+00	5.44E-05	1.74E-05
0.00E+00	0.00E+00	2.59E-05
0.00E+00	0.00E+00	2.59E-05
0.00E+00	0.00E+00	2.59E-05
0.00E+00	0.00E+00	2.59E-05
0.00E+00	0.00E+00	2.59E-05
0.00E+00	0.00E+00	2.59E-05
0.00E+00	0.00E+00	2.59E-05
0.00E+00	0.00E+00	1.73E-05

Max	UTM X	UTM Y
23.19	629220	4278250

Diesel Particulate Matter concentration, C_{DPM} (μg/m³)

X (UTM)	Y (UTM)	CNU Campus												
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032		
629540	4278320	1.53E-02	1.14E-02	1.27E-02	6.91E-03	6.02E-04	5.94E-03	1.63E-02	1.65E-02	3.74E-03	4.60E-03	2.75E-03	6.13 Residential	
629560	4278320	1.46E-02	1.09E-02	1.22E-02	6.62E-03	5.76E-04	5.68E-03	1.56E-02	1.58E-02	3.58E-03	4.40E-03	2.63E-03	5.87 Residential	
629540	4278340	1.56E-02	1.16E-02	1.30E-02	7.05E-03	6.14E-04	6.06E-03	1.66E-02	1.68E-02	3.81E-03	4.69E-03	2.80E-03	6.25 Residential	
629560	4278340	1.49E-02	1.11E-02	1.24E-02	6.74E-03	5.87E-04	5.79E-03	1.59E-02	1.61E-02	3.65E-03	4.48E-03	2.68E-03	5.98 Residential	
629580	4278340	1.43E-02	1.06E-02	1.19E-02	6.45E-03	5.61E-04	5.54E-03	1.52E-02	1.54E-02	3.49E-03	4.29E-03	2.56E-03	5.72 Residential	
629520	4278360	1.67E-02	1.24E-02	1.38E-02	7.53E-03	6.56E-04	6.47E-03	1.77E-02	1.80E-02	4.07E-03	5.01E-03	2.99E-03	6.68 Residential	
629540	4278360	1.59E-02	1.18E-02	1.32E-02	7.19E-03	6.26E-04	6.17E-03	1.69E-02	1.71E-02	3.89E-03	4.78E-03	2.86E-03	6.37 Residential	
629560	4278360	1.52E-02	1.13E-02	1.26E-02	6.86E-03	5.97E-04	5.89E-03	1.61E-02	1.64E-02	3.71E-03	4.56E-03	2.73E-03	6.08 Residential	
629580	4278360	1.45E-02	1.08E-02	1.20E-02	6.55E-03	5.70E-04	5.63E-03	1.54E-02	1.56E-02	3.54E-03	4.35E-03	2.60E-03	5.81 Residential	
629600	4278360	1.39E-02	1.03E-02	1.15E-02	6.26E-03	5.45E-04	5.37E-03	1.47E-02	1.49E-02	3.39E-03	4.16E-03	2.49E-03	5.55 Residential	
629520	4278380	1.95E-02	1.46E-02	1.60E-02	9.98E-03	8.68E-04	8.59E-03	2.18E-02	2.21E-02	4.15E-03	5.10E-03	3.05E-03	7.18 Residential	
629540	4278380	1.77E-02	1.31E-02	1.45E-02	8.72E-03	7.42E-04	7.33E-03	2.01E-02	2.04E-02	3.81E-03	4.69E-03	2.80E-03	6.81 Residential	
629560	4278380	1.71E-02	1.25E-02	1.39E-02	8.38E-03	7.18E-04	7.09E-03	1.94E-02	1.97E-02	3.65E-03	4.53E-03	2.75E-03	6.54 Residential	
629580	4278380	1.64E-02	1.19E-02	1.33E-02	8.04E-03	6.94E-04	6.85E-03	1.87E-02	1.90E-02	3.49E-03	4.37E-03	2.69E-03	6.27 Residential	
629600	4278380	1.57E-02	1.13E-02	1.27E-02	7.70E-03	6.70E-04	6.61E-03	1.80E-02	1.83E-02	3.33E-03	4.21E-03	2.63E-03	6.00 Residential	
629520	4278400	2.11E-02	1.56E-02	1.70E-02	1.14E-02	1.00E-03	9.91E-03	2.31E-02	2.34E-02	4.31E-03	5.26E-03	3.11E-03	7.30 Residential	
629540	4278400	1.93E-02	1.39E-02	1.53E-02	1.02E-03	8.82E-04	8.73E-03	2.13E-02	2.16E-02	4.05E-03	4.90E-03	2.95E-03	6.94 Residential	
629560	4278400	1.86E-02	1.33E-02	1.47E-02	9.90E-03	8.59E-04	8.50E-03	2.06E-02	2.09E-02	3.89E-03	4.74E-03	2.89E-03	6.67 Residential	
629580	4278400	1.79E-02	1.27E-02	1.41E-02	9.56E-03	8.25E-04	8.16E-03	1.99E-02	2.02E-02	3.73E-03	4.58E-03	2.83E-03	6.40 Residential	
629600	4278400	1.72E-02	1.21E-02	1.35E-02	9.22E-03	7.91E-04	7.82E-03	1.92E-02	1.95E-02	3.57E-03	4.41E-03	2.77E-03	6.13 Residential	
629520	4278420	2.25E-02	1.60E-02	1.74E-02	1.21E-02	1.07E-03	1.06E-03	2.39E-02	2.42E-02	4.39E-03	5.34E-03	3.15E-03	7.41 Residential	
629540	4278420	2.07E-02	1.42E-02	1.56E-02	1.09E-03	9.53E-04	9.44E-03	2.21E-02	2.24E-02	4.13E-03	5.08E-03	2.99E-03	7.14 Residential	
629560	4278420	1.99E-02	1.36E-02	1.50E-02	1.02E-03	8.84E-04	8.75E-03	2.14E-02	2.17E-02	3.97E-03	4.92E-03	2.93E-03	6.87 Residential	
629580	4278420	1.92E-02	1.30E-02	1.44E-02	9.90E-03	8.56E-04	8.47E-03	2.07E-02	2.10E-02	3.81E-03	4.76E-03	2.87E-03	6.60 Residential	
629600	4278420	1.85E-02	1.24E-02	1.38E-02	9.52E-03	8.28E-04	8.19E-03	2.00E-02	2.03E-02	3.65E-03	4.60E-03	2.81E-03	6.33 Residential	
629520	4278440	2.38E-02	1.73E-02	1.87E-02	1.30E-02	1.16E-03	1.15E-03	2.49E-02	2.52E-02	4.51E-03	5.46E-03	3.27E-03	7.69 Residential	
629540	4278440	2.20E-02	1.55E-02	1.69E-02	1.18E-03	1.04E-03	1.03E-03	2.31E-02	2.34E-02	4.35E-03	5.30E-03	2.97E-03	7.42 Residential	
629560	4278440	2.12E-02	1.49E-02	1.63E-02	1.11E-03	9.71E-04	9.62E-03	2.24E-02	2.27E-02	4.19E-03	5.14E-03	2.91E-03	7.15 Residential	
629580	4278440	2.05E-02	1.43E-02	1.57E-02	1.04E-03	9.02E-04	8.93E-03	2.17E-02	2.20E-02	4.03E-03	4.98E-03	2.85E-03	6.88 Residential	
629600	4278440	1.98E-02	1.37E-02	1.51E-02	9.68E-03	8.70E-04	8.61E-03	2.10E-02	2.13E-02	3.87E-03	4.82E-03	2.79E-03	6.61 Residential	
629520	4278460	2.51E-02	1.86E-02	2.00E-02	1.39E-02	1.23E-03	1.22E-03	2.59E-02	2.62E-02	4.59E-03	5.54E-03	3.29E-03	7.87 Residential	
629540	4278460	2.33E-02	1.68E-02	1.82E-02	1.27E-03	1.11E-03	1.10E-03	2.41E-02	2.44E-02	4.43E-03	5.38E-03	2.97E-03	7.60 Residential	
629560	4278460	2.25E-02	1.62E-02	1.76E-02	1.20E-03	1.04E-03	1.03E-03	2.34E-02	2.37E-02	4.27E-03	5.22E-03	2.91E-03	7.33 Residential	
629580	4278460	2.18E-02	1.56E-02	1.70E-02	1.13E-03	9.71E-04	9.62E-03	2.27E-02	2.30E-02	4.11E-03	5.06E-03	2.85E-03	7.06 Residential	
629600	4278460	2.11E-02	1.50E-02	1.64E-02	1.06E-03	9.02E-04	8.93E-03	2.20E-02	2.23E-02	3.95E-03	4.90E-03	2.79E-03	6.79 Residential	
629520	4278480	2.64E-02	1.99E-02	2.13E-02	1.42E-02	1.28E-03	1.27E-03	2.67E-02	2.70E-02	4.61E-03	5.56E-03	3.31E-03	7.97 Residential	
629540	4278480	2.46E-02	1.81E-02	1.95E-02	1.30E-03	1.16E-03	1.15E-03	2.49E-02	2.52E-02	4.45E-03	5.40E-03	2.95E-03	7.70 Residential	
629560	4278480	2.38E-02	1.75E-02	1.89E-02	1.23E-03	1.09E-03	1.08E-03	2.42E-02	2.45E-02	4.29E-03	5.24E-03	2.89E-03	7.43 Residential	
629580	4278480	2.31E-02	1.69E-02	1.83E-02	1.16E-03	1.02E-03	1.01E-03	2.35E-02	2.38E-02	4.13E-03	5.08E-03	2.83E-03	7.16 Residential	
629600	4278480	2.24E-02	1.63E-02	1.77E-02	1.09E-03	9.51E-04	9.42E-03	2.28E-02	2.31E-02	3.97E-03	4.92E-03	2.77E-03	6.89 Residential	
629520	4278500	2.77E-02	2.12E-02	2.26E-02	1.51E-02	1.35E-03	1.34E-03	2.79E-02	2.82E-02	4.69E-03	5.64E-03	3.35E-03	8.05 Residential	
629540	4278500	2.59E-02	1.94E-02	2.08E-02	1.39E-03	1.23E-03	1.22E-03	2.61E-02	2.64E-02	4.53E-03	5.48E-03	2.99E-03	7.78 Residential	
629560	4278500	2.51E-02	1.88E-02	2.02E-02	1.32E-03	1.16E-03	1.15E-03	2.54E-02	2.57E-02	4.37E-03	5.32E-03	2.93E-03	7.51 Residential	
629580	4278500	2.44E-02	1.82E-02	1.96E-02	1.25E-03	1.09E-03	1.08E-03	2.47E-02	2.50E-02	4.21E-03	5.16E-03	2.87E-03	7.24 Residential	
629600	4278500	2.37E-02	1.76E-02	1.90E-02	1.18E-03	1.02E-03	1.01E-03	2.40E-02	2.43E-0					

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Camp										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
629460	4278480	2.20E-02	1.64E-02	1.83E-02	9.96E-03	8.67E-04	8.55E-03	2.34E-02	2.38E-02	5.39E-03	6.62E-03	3.96E-03
629460	4278480	2.07E-02	1.54E-02	1.72E-02	9.37E-03	8.15E-04	8.00E-03	2.20E-02	2.23E-02	5.07E-03	6.23E-03	3.72E-03
629500	4278480	1.95E-02	1.45E-02	1.62E-02	8.83E-03	7.68E-04	7.56E-03	2.08E-02	2.11E-02	4.77E-03	5.87E-03	3.51E-03
629520	4278480	1.34E-02	9.99E-03	1.11E-02	6.06E-03	5.28E-04	5.20E-03	1.43E-02	1.45E-02	3.26E-03	4.03E-03	2.41E-03
629540	4278480	1.74E-02	1.30E-02	1.45E-02	8.78E-03	6.85E-04	6.76E-03	1.85E-02	1.88E-02	4.26E-03	5.23E-03	3.13E-03
629560	4278480	1.65E-02	1.23E-02	1.37E-02	7.44E-03	6.48E-04	6.39E-03	1.75E-02	1.78E-02	4.03E-03	4.95E-03	2.96E-03
629580	4278480	1.56E-02	1.16E-02	1.30E-02	7.05E-03	6.14E-04	6.06E-03	1.66E-02	1.68E-02	3.82E-03	4.69E-03	2.80E-03
629600	4278480	1.48E-02	1.10E-02	1.23E-02	6.69E-03	5.83E-04	5.75E-03	1.57E-02	1.62E-02	3.62E-03	4.45E-03	2.66E-03
629620	4278480	1.41E-02	1.05E-02	1.17E-02	6.36E-03	5.54E-04	5.47E-03	1.50E-02	1.52E-02	3.44E-03	4.23E-03	2.53E-03
629640	4278480	1.34E-02	9.99E-03	1.11E-02	6.06E-03	5.28E-04	5.20E-03	1.43E-02	1.45E-02	3.26E-03	4.03E-03	2.41E-03
629660	4278480	1.28E-02	9.52E-03	1.06E-02	5.78E-03	5.03E-04	4.96E-03	1.36E-02	1.38E-02	3.13E-03	3.84E-03	2.30E-03
629680	4278480	1.22E-02	9.09E-03	1.01E-02	5.52E-03	4.80E-04	4.74E-03	1.30E-02	1.32E-02	2.98E-03	3.67E-03	2.19E-03
629700	4278480	1.17E-02	8.70E-03	9.70E-03	5.28E-03	4.59E-04	4.53E-03	1.24E-02	1.26E-02	2.85E-03	3.51E-03	2.10E-03
629720	4278480	1.12E-02	8.33E-03	9.29E-03	5.05E-03	4.40E-04	4.34E-03	1.19E-02	1.21E-02	2.73E-03	3.36E-03	2.01E-03
629440	4278500	2.40E-02	1.78E-02	1.99E-02	1.08E-02	9.43E-04	9.30E-03	2.55E-02	2.58E-02	5.98E-03	7.20E-03	4.30E-03
629460	4278500	2.24E-02	1.67E-02	1.86E-02	1.01E-02	8.82E-04	8.70E-03	2.38E-02	2.42E-02	5.48E-03	6.74E-03	4.03E-03
629480	4278500	2.11E-02	1.57E-02	1.75E-02	9.52E-03	8.29E-04	8.17E-03	2.24E-02	2.27E-02	5.15E-03	6.33E-03	3.78E-03
629500	4278500	1.98E-02	1.48E-02	1.65E-02	8.95E-03	7.79E-04	7.69E-03	2.11E-02	2.14E-02	4.84E-03	5.95E-03	3.56E-03
629520	4278500	1.87E-02	1.39E-02	1.55E-02	8.43E-03	7.34E-04	7.24E-03	1.98E-02	2.01E-02	4.56E-03	5.61E-03	3.35E-03
629540	4278500	1.76E-02	1.31E-02	1.46E-02	7.96E-03	6.93E-04	6.83E-03	1.87E-02	1.90E-02	4.30E-03	5.29E-03	3.16E-03
629560	4278500	1.67E-02	1.24E-02	1.38E-02	7.52E-03	6.55E-04	6.46E-03	1.77E-02	1.79E-02	4.07E-03	5.00E-03	2.99E-03
629580	4278500	1.58E-02	1.17E-02	1.31E-02	7.12E-03	6.20E-04	6.12E-03	1.67E-02	1.70E-02	3.85E-03	4.73E-03	2.85E-03
629600	4278500	1.50E-02	1.11E-02	1.24E-02	6.75E-03	5.88E-04	5.79E-03	1.61E-02	1.62E-02	3.65E-03	4.49E-03	2.73E-03
629620	4278500	1.42E-02	1.06E-02	1.18E-02	6.42E-03	5.51E-04	5.41E-03	1.53E-02	1.53E-02	3.47E-03	4.27E-03	2.53E-03
629640	4278500	1.35E-02	1.01E-02	1.12E-02	6.11E-03	5.32E-04	5.25E-03	1.44E-02	1.46E-02	3.30E-03	4.06E-03	2.43E-03
629660	4278500	1.29E-02	9.60E-03	1.07E-02	5.82E-03	5.07E-04	5.00E-03	1.37E-02	1.39E-02	3.15E-03	3.87E-03	2.31E-03
629680	4278500	1.23E-02	9.16E-03	1.02E-02	5.56E-03	4.84E-04	4.77E-03	1.31E-02	1.33E-02	3.01E-03	3.70E-03	2.21E-03
629700	4278500	1.18E-02	8.76E-03	9.77E-03	5.31E-03	4.63E-04	4.56E-03	1.25E-02	1.27E-02	2.87E-03	3.53E-03	2.11E-03
629720	4278500	1.13E-02	8.39E-03	9.35E-03	5.09E-03	4.43E-04	4.37E-03	1.20E-02	1.22E-02	2.75E-03	3.38E-03	2.02E-03
629420	4278520	2.62E-02	1.95E-02	2.18E-02	1.18E-02	1.03E-03	1.02E-02	2.78E-02	2.82E-02	6.40E-03	7.86E-03	4.70E-03
629440	4278520	2.44E-02	1.82E-02	2.02E-02	1.10E-02	9.95E-04	9.46E-02	2.59E-02	2.63E-02	5.96E-03	7.32E-03	4.38E-03
629460	4278520	2.28E-02	1.70E-02	1.89E-02	1.03E-02	8.96E-04	8.84E-03	2.42E-02	2.46E-02	5.57E-03	6.84E-03	4.09E-03
629480	4278520	2.14E-02	1.59E-02	1.77E-02	9.65E-03	8.40E-04	8.29E-03	2.27E-02	2.30E-02	5.22E-03	6.42E-03	3.84E-03
629500	4278520	2.01E-02	1.49E-02	1.67E-02	9.06E-03	7.89E-04	7.78E-03	2.13E-02	2.16E-02	4.90E-03	6.03E-03	3.60E-03
629520	4278520	1.89E-02	1.41E-02	1.57E-02	8.53E-03	7.43E-04	7.32E-03	2.01E-02	2.04E-02	4.51E-03	5.67E-03	3.39E-03
629540	4278520	1.78E-02	1.33E-02	1.48E-02	8.04E-03	7.00E-04	6.91E-03	1.89E-02	1.92E-02	4.25E-03	5.35E-03	3.20E-03
629560	4278520	1.68E-02	1.25E-02	1.40E-02	7.59E-03	6.61E-04	6.52E-03	1.79E-02	1.81E-02	4.11E-03	5.05E-03	3.02E-03
629580	4278520	1.59E-02	1.18E-02	1.32E-02	7.18E-03	6.25E-04	6.17E-03	1.69E-02	1.71E-02	3.89E-03	4.78E-03	2.86E-03
629600	4278520	1.51E-02	1.12E-02	1.25E-02	6.81E-03	5.93E-04	5.85E-03	1.60E-02	1.63E-02	3.69E-03	4.53E-03	2.71E-03
629620	4278520	1.43E-02	1.07E-02	1.19E-02	6.47E-03	5.63E-04	5.56E-03	1.52E-02	1.54E-02	3.50E-03	4.30E-03	2.57E-03
629640	4278520	1.36E-02	1.01E-02	1.13E-02	6.15E-03	5.36E-04	5.28E-03	1.45E-02	1.46E-02	3.34E-03	4.14E-03	2.46E-03
629660	4278520	1.30E-02	9.67E-03	1.08E-02	5.87E-03	5.11E-04	5.04E-03	1.38E-02	1.40E-02	3.17E-03	3.90E-03	2.33E-03
629680	4278520	1.24E-02	9.23E-03	1.03E-02	5.60E-03	4.87E-04	4.81E-03	1.32E-02	1.34E-02	3.03E-03	3.72E-03	2.23E-03
629700	4278520	1.18E-02	8.82E-03	9.84E-03	5.35E-03	4.66E-04	4.60E-03	1.26E-02	1.28E-02	2.89E-03	3.56E-03	2.13E-03
629720	4278520	1.13E-02	8.44E-03	9.42E-03	5.12E-03	4.46E-04	4.40E-03	1.20E-02	1.22E-02	2.77E-03	3.41E-03	2.04E-03
629420	4278540	2.67E-02	1.99E-02	2.22E-02	1.21E-02	1.05E-03	1.04E-02	2.84E-02	2.88E-02	6.53E-03	8.02E-03	4.80E-03
629440	4278540	2.48E-02	1.85E-02	2.06E-02	1.12E-02	9.75E-04	9.62E-03	2.63E-02	2.67E-02	6.06E-03	7.45E-03	4.45E-03
629460	4278540	2.31E-02	1.72E-02	1.92E-02	1.05E-02	9.25E-04	9.16E-03	2.45E-02	2.49E-02	5.62E-03	6.90E-03	4.14E-03
629480	4278540	2.16E-02	1.61E-02	1.80E-02	9.78E-03	8.51E-04	8.40E-03	2.30E-02	2.33E-02	5.29E-03	6.50E-03	3.89E-03
629500	4278540	2.03E-02	1.51E-02	1.69E-02	9.17E-03	7.98E-04	7.87E-03	2.16E-02	2.19E-02	4.96E-03	6.09E-03	3.64E-03
629520	4278540	1.91E-02	1.42E-02	1.58E-02	8.62E-03	7.50E-04	7.40E-03	2.03E-02	2.06E-02	4.66E-03	5.73E-03	3.42E-03
629540	4278540	1.80E-02	1.34E-02	1.49E-02	8.12E-03	7.07E-04	6.97E-03	1.91E-02	1.94E-02	4.39E-03	5.40E-03	3.23E-03
629560	4278540	1.70E-02	1.26E-02	1.41E-02	7.66E-03	6.67E-04	6.58E-03	1.80E-02	1.82E-02	4.14E-03	5.09E-03	3.05E-03
629580	4278540	1.62E-02	1.19E-02	1.33E-02	7.25E-03	6.30E-04	6.25E-03	1.72E-02	1.73E-02	3.92E-03	4.82E-03	2.88E-03
629600	4278540	1.52E-02	1.13E-02	1.26E-02	6.87E-03	5.98E-04	5.90E-03	1.62E-02	1.64E-02	3.72E-03	4.57E-03	2.73E-03
629620	4278540	1.44E-02	1.07E-02	1.20E-02	6.52E-03	5.68E-04	5.60E-03	1.53E-02	1.56E-02	3.53E-03	4.34E-03	2.59E-03
629640	4278540	1.37E-02	1.02E-02	1.14E-02	6.20E-03	5.40E-04	5.33E-03	1.46E-02	1.48E-02	3.36E-03	4.12E-03	2.47E-03
629660	4278540	1.31E-02	9.74E-03	1.09E-02	5.91E-03	5.14E-04	5.08E-03	1.39E-02	1.41E-02	3.20E-03	3.93E-03	2.35E-03
629680	4278540	1.25E-02	9.29E-03	1.04E-02	5.64E-03	4.91E-04	4.84E-03	1.33E-02	1.35E-02	3.05E-03	3.75E-03	2.24E-03
629700	4278540	1.19E-02	8.88E-03	9.91E-03	5.39E-03	4.69E-04	4.63E-03	1.26E-02	1.28E-02	2.91E-03	3.60E-03	2.15E-03
629720	4278540	1.14E-02	8.50E-03	9.48E-03	5.16E-03	4.49E-04	4.43E-03	1.21E-02	1.23E-02	2.79E-03	3.43E-03	2.05E-03
629460	4278560	2.35E-02	1.75E-02	1.95E-02	1.06E-02	9.22E-04	9.10E-03	2.49E-02	2.53E-02	5.73E-03	7.04E-03	4.21E-03
629480	4278560	2.19E-02	1.63E-02	1.82E-02	9.89E-03	8.61E-04	8.49E-03	2.33E-02	2.36E-02	5.35E-03	6.58E-03	3.93E-03
629500	4278560	2.05E-02	1.53E-02	1.70E-02	9.27E-03	8.07E-04	7.96E-03	2.18E-02	2.21E-02	5.01E-03	6.16E-03	3.68E-03
629520	4278560	1.93E-02	1.43E-02	1.60E-02	8.70E-03	7.57E-04	7.47E-03	2.05E-02	2.08E-02	4.71E-03	5.78E-03	3.46E-03
629540	4278560	1.85E-02	1.35E-02	1.52E-02	8.23E-03	7.19E-04	7.13E-03	1.93E-02	1.94E-02	4.44E-03	5.41E-03	3.27E-03
629560	4278560	1.71E-02	1.27E-02	1.42E-02	7.73E-03	6.73E-04	6.67E-03	1.82E-02	1.84E-02	4.18E-03	5.14E-03	3.07E-03
629580	4278560	1.62E-02	1.20E-02	1.34E-02	7.30E-03	6.36E-04	6.27E-03	1.72E-02	1.74E-02	3.95E-03	4.86E-03	2.90E-03
629600	4278560	1.53E-02	1.14E-02	1.27E-02	6.92E-03	6.02E-04	5.94E-03	1.63E-02	1.65E-02	3.74E-03	4.60E-03	2.75E-03
629620	4278560	1.45E-02	1.08E-02	1.21E-02	6.57E-03	5.72E-04	5.64E-03	1.55E-02	1.57E-02	3.55E-03	4.37E-03	2.61E-03
629640	4278560	1.38E-02	1.03E-02	1								

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Camp										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
629220	4278260	2.42E-02	1.80E-02	2.01E-02	1.09E-02	9.53E-04	9.40E-03	2.57E-02	2.61E-02	5.92E-03	7.28E-03	4.35E-03
629220	4278260	2.38E-02	1.77E-02	1.98E-02	1.08E-02	9.36E-04	9.24E-03	2.53E-02	2.57E-02	5.82E-03	7.15E-03	4.27E-03
629260	4278260	2.33E-02	1.74E-02	1.94E-02	1.05E-02	9.17E-04	9.05E-03	2.48E-02	2.51E-02	5.70E-03	7.01E-03	4.19E-03
629380	4278260	1.88E-02	1.40E-02	1.56E-02	8.48E-03	7.38E-04	7.28E-03	1.99E-02	2.02E-02	4.58E-03	5.63E-03	3.37E-03
629300	4278260	2.22E-02	1.65E-02	1.84E-02	1.00E-02	8.72E-04	8.60E-03	2.35E-02	2.39E-02	5.42E-03	6.65E-03	3.98E-03
629320	4278260	2.16E-02	1.61E-02	1.79E-02	9.74E-03	8.48E-04	8.36E-03	2.29E-02	2.32E-02	5.27E-03	6.47E-03	3.87E-03
629340	4278260	2.09E-02	1.56E-02	1.73E-02	9.43E-03	8.21E-04	8.10E-03	2.22E-02	2.25E-02	5.10E-03	6.27E-03	3.75E-03
629360	4278260	2.02E-02	1.50E-02	1.68E-02	9.11E-03	7.93E-04	7.83E-03	2.14E-02	2.17E-02	4.93E-03	6.06E-03	3.62E-03
629380	4278260	1.95E-02	1.45E-02	1.62E-02	8.79E-03	7.66E-04	7.55E-03	2.07E-02	2.10E-02	4.76E-03	5.85E-03	3.50E-03
629400	4278260	1.88E-02	1.40E-02	1.56E-02	8.48E-03	7.38E-04	7.28E-03	1.99E-02	2.02E-02	4.58E-03	5.63E-03	3.37E-03
629420	4278260	1.81E-02	1.35E-02	1.50E-02	8.16E-03	7.10E-04	7.01E-03	1.92E-02	1.95E-02	4.41E-03	5.42E-03	3.24E-03
629440	4278260	1.74E-02	1.29E-02	1.44E-02	7.85E-03	6.83E-04	6.74E-03	1.85E-02	1.87E-02	4.25E-03	5.22E-03	3.12E-03
629460	4278260	1.67E-02	1.24E-02	1.39E-02	7.54E-03	6.57E-04	6.48E-03	1.77E-02	1.80E-02	4.08E-03	5.01E-03	3.00E-03
629480	4278260	1.60E-02	1.19E-02	1.34E-02	7.24E-03	6.30E-04	6.21E-03	1.70E-02	1.73E-02	3.91E-03	4.83E-03	2.88E-03
629500	4278260	1.53E-02	1.14E-02	1.29E-02	6.94E-03	6.03E-04	5.94E-03	1.62E-02	1.65E-02	3.74E-03	4.65E-03	2.76E-03
629520	4278260	1.46E-02	1.09E-02	1.24E-02	6.63E-03	5.76E-04	5.67E-03	1.54E-02	1.57E-02	3.57E-03	4.47E-03	2.64E-03
629540	4278260	1.39E-02	1.04E-02	1.19E-02	6.32E-03	5.49E-04	5.42E-03	1.46E-02	1.49E-02	3.40E-03	4.29E-03	2.52E-03
629560	4278260	1.32E-02	9.9E-03	1.14E-02	6.01E-03	5.22E-04	5.14E-03	1.38E-02	1.41E-02	3.23E-03	4.11E-03	2.40E-03
629580	4278260	1.25E-02	9.4E-03	1.09E-02	5.64E-03	4.95E-04	4.87E-03	1.30E-02	1.33E-02	3.06E-03	3.93E-03	2.28E-03
629600	4278260	1.18E-02	8.9E-03	1.04E-02	5.26E-03	4.68E-04	4.60E-03	1.22E-02	1.25E-02	2.89E-03	3.75E-03	2.16E-03
629620	4278260	1.11E-02	8.4E-03	9.9E-03	4.88E-03	4.41E-04	4.33E-03	1.14E-02	1.17E-02	2.72E-03	3.57E-03	2.04E-03
629640	4278260	1.04E-02	7.9E-03	9.4E-03	4.50E-03	4.14E-04	4.06E-03	1.06E-02	1.09E-02	2.55E-03	3.39E-03	1.92E-03
629660	4278260	9.7E-03	7.4E-03	8.9E-03	4.19E-03	3.87E-04	3.80E-03	9.8E-03	1.01E-02	2.38E-03	3.21E-03	1.80E-03
629680	4278260	9.0E-03	6.9E-03	8.4E-03	3.88E-03	3.60E-04	3.53E-03	9.0E-03	9.5E-03	2.21E-03	3.03E-03	1.68E-03
629700	4278260	8.3E-03	6.4E-03	7.9E-03	3.57E-03	3.33E-04	3.26E-03	8.2E-03	8.9E-03	2.04E-03	2.85E-03	1.56E-03
629720	4278260	7.6E-03	5.9E-03	7.4E-03	3.26E-03	3.06E-04	3.00E-03	7.4E-03	8.1E-03	1.87E-03	2.67E-03	1.44E-03
629740	4278260	6.9E-03	5.4E-03	6.9E-03	2.95E-03	2.79E-04	2.89E-03	6.6E-03	7.3E-03	1.70E-03	2.49E-03	1.32E-03
629760	4278260	6.2E-03	4.9E-03	6.4E-03	2.64E-03	2.52E-04	2.64E-03	5.8E-03	6.5E-03	1.53E-03	2.31E-03	1.20E-03
629780	4278260	5.5E-03	4.4E-03	5.9E-03	2.33E-03	2.25E-04	2.45E-03	5.0E-03	5.7E-03	1.36E-03	2.13E-03	1.08E-03
629800	4278260	4.8E-03	3.9E-03	5.4E-03	2.02E-03	1.88E-04	2.25E-03	4.2E-03	4.9E-03	1.19E-03	1.95E-03	9.6E-04
629820	4278260	4.1E-03	3.4E-03	4.9E-03	1.71E-03	1.51E-04	2.05E-03	3.4E-03	4.1E-03	1.02E-03	1.77E-03	8.4E-04
629840	4278260	3.4E-03	2.9E-03	4.4E-03	1.34E-03	1.14E-04	1.84E-03	2.6E-03	3.3E-03	8.5E-04	1.59E-03	7.0E-04
629860	4278260	2.7E-03	2.4E-03	3.9E-03	1.07E-03	8.7E-05	1.63E-03	1.8E-03	2.5E-03	6.9E-04	1.41E-03	5.6E-04
629880	4278260	2.0E-03	1.7E-03	3.2E-03	8.0E-04	6.0E-05	1.42E-03	1.0E-03	2.3E-03	5.3E-04	1.23E-03	4.0E-04
629900	4278260	1.3E-03	1.1E-03	2.5E-03	6.3E-04	3.3E-05	1.21E-03	8.0E-04	2.1E-03	3.7E-04	1.05E-03	2.4E-04
629920	4278260	6.0E-04	5.0E-04	1.8E-03	5.6E-04	1.6E-05	1.00E-03	6.0E-04	1.9E-03	2.1E-04	8.7E-04	1.2E-04
629940	4278260	3.0E-04	2.5E-04	9.0E-04	4.9E-04	8.0E-06	8.0E-04	3.0E-04	1.7E-03	1.0E-04	4.4E-04	6.0E-05
629960	4278260	1.5E-04	1.2E-04	4.5E-04	4.2E-04	4.0E-06	6.0E-04	1.5E-04	8.0E-04	5.0E-05	2.2E-04	3.0E-05
629980	4278260	7.5E-05	6.0E-05	2.2E-04	3.5E-04	2.0E-06	4.0E-04	7.5E-05	4.0E-04	2.5E-05	1.1E-04	1.5E-05
630000	4278260	3.8E-05	3.0E-05	1.1E-04	1.7E-04	1.0E-06	2.0E-04	3.8E-05	2.0E-04	1.2E-05	5.5E-05	7.5E-06

Risk Calculation Part 2

3rd Trimester	C _{DPM}				Total	Cancer Risk per million	Receptor Determination
	0-2	2-16	16-60	60-100			
3.25E-07	6.72E-06	2.66E-06	9.71E-06	9.71E-06	9.71	Residential	
3.19E-07	6.60E-06	2.62E-06	9.54E-06	9.54E-06	9.54	Residential	
3.13E-07	6.47E-06	2.56E-06	9.35E-06	9.35E-06	9.35	Residential	
3.06E-07	6.34E-06	2.50E-06	9.13E-06	9.13E-06	9.13	Residential	
2.97E-07	6.15E-06	2.44E-06	8.88E-06	8.88E-06	8.88	Residential	
2.89E-07	5.98E-06	2.37E-06	8.64E-06	8.64E-06	8.64	Residential	
2.80E-07	5.79E-06	2.29E-06	8.37E-06	8.37E-06	8.37	Residential	
2.71E-07	5.60E-06	2.22E-06	8.08E-06	8.08E-06	8.08	Residential	
2.61E-07	5.40E-06	2.14E-06	7.80E-06	7.80E-06	7.80	Residential	
2.52E-07	5.20E-06	2.06E-06	7.52E-06	7.52E-06	7.52	Residential	
2.42E-07	5.01E-06	1.98E-06	7.24E-06	7.24E-06	7.24	Residential	
2.33E-07	4.82E-06	1.91E-06	6.96E-06	6.96E-06	6.96	Residential	
2.24E-07	4.63E-06	1.83E-06	6.68E-06	6.68E-06	6.68	Residential	
2.15E-07	4.44E-06	1.75E-06	6.40E-06	6.40E-06	6.40	Residential	
2.06E-07	4.25E-06	1.67E-06	6.12E-06	6.12E-06	6.12	Residential	
1.97E-07	4.06E-06	1.59E-06	5.84E-06	5.84E-06	5.84	Residential	
1.88E-07	3.87E-06	1.51E-06	5.56E-06	5.56E-06	5.56	Residential	
1.79E-07	3.68E-06	1.43E-06	5.28E-06	5.28E-06	5.28	Residential	
1.70E-07	3.49E-06	1.35E-06	5.00E-06	5.00E-06	5.00	Residential	
1.61E-07	3.30E-06	1.27E-06	4.72E-06	4.72E-06	4.72	Residential	
1.52E-07	3.11E-06	1.19E-06	4.44E-06	4.44E-06	4.44	Residential	
1.43E-07	2.92E-06	1.11E-06	4.16E-06	4.16E-06	4.16	Residential	
1.34E-07	2.73E-06	1.03E-06	3.88E-06	3.88E-06	3.88	Residential	
1.25E-07	2.54E-06	9.5E-07	3.60E-06	3.60E-06	3.60	Residential	
1.16E-07	2.35E-06	8.7E-07	3.32E-06	3.32E-06	3.32	Residential	
1.07E-07	2.16E-06	7.9E-07	3.04E-06	3.04E-06	3.04	Residential	
9.8E-08	1.97E-06	7.1E-07	2.76E-06	2.76E-06	2.76	Residential	
8.9E-08	1.78E-06	6.3E-07	2.48E-06	2.48E-06	2.48	Residential	
8.0E-08	1.59E-06	5.5E-07	2.20E-06	2.20E-06	2.20	Residential	
7.1E-08	1.40E-06	4.7E-07	1.92E-06	1.92E-06	1.92	Residential	
6.2E-08	1.21E-06	3.9E-07	1.64E-06	1.64E-06	1.64	Residential	
5.3E-08	1.02E-06	3.1E-07	1.36E-06	1.36E-06	1.36	Residential	
4.4E-08	8.3E-07	2.3E-07	1.08E-06	1.08E-06	1.08	Residential	
3.5E-08	6.4E-07	1.5E-07	8.0E-07	8.0E-07	0.80	Residential	
2.6E-08	4.5E-07	7.0E-08	5.2E-07	5.2E-07	0.52	Residential	
1.7E-08	2.6E-07	2.0E-08	2.4E-07	2.4E-07	0.24	Residential	
8.0E-09	1.0E-07	5.0E-09	1.0E-07	1.0E-07	0.10	Residential	

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

Table with columns: X (UTM), Y (UTM), and CNU C_{DPM} for years 2022 through 2032. The table contains a grid of numerical values representing concentration levels at various locations over time.

Risk Calculation Part 2

Table with columns: 3rd Trimester, 0-2, 2-16, Total, Cancer Risk per million, and Receptor Determination. It provides risk assessment data corresponding to the concentration values in the adjacent table.

Diesel Particulate Matter concentration, C_{DPM} ($\mu\text{g}/\text{m}^3$)

X (UTM)	Y (UTM)	CNU Camp										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
628120	4279100	4.90E-03	3.65E-03	4.07E-03	2.21E-03	1.93E-04	1.90E-03	5.21E-03	5.28E-03	1.20E-03	1.47E-03	8.80E-04
628140	4279100	5.18E-03	3.86E-03	4.30E-03	2.34E-03	2.04E-04	2.01E-03	5.50E-03	5.58E-03	1.27E-03	1.56E-03	9.30E-04
628160	4279100	5.49E-03	4.09E-03	4.56E-03	2.48E-03	2.16E-04	2.13E-03	5.83E-03	5.92E-03	1.34E-03	1.65E-03	9.85E-04
628180	4279100	5.84E-03	4.54E-03	4.84E-03	2.69E-03	2.29E-04	2.26E-03	6.28E-03	6.38E-03	1.42E-03	1.75E-03	1.10E-03
628200	4279100	6.20E-03	4.61E-03	5.15E-03	2.80E-03	2.44E-04	2.40E-03	6.58E-03	6.68E-03	1.51E-03	1.86E-03	1.11E-03
628220	4279100	6.61E-03	4.92E-03	5.49E-03	2.99E-03	2.60E-04	2.56E-03	7.02E-03	7.12E-03	1.62E-03	1.98E-03	1.19E-03
628240	4279100	7.02E-03	5.24E-03	5.84E-03	3.14E-03	2.74E-04	2.70E-03	7.46E-03	7.56E-03	1.73E-03	2.12E-03	1.27E-03
628260	4279100	7.43E-03	5.56E-03	6.19E-03	3.31E-03	2.91E-04	2.87E-03	7.90E-03	8.00E-03	1.84E-03	2.26E-03	1.37E-03
628280	4279100	7.84E-03	5.88E-03	6.54E-03	3.48E-03	3.08E-04	3.04E-03	8.34E-03	8.44E-03	1.95E-03	2.40E-03	1.47E-03
628300	4279100	8.25E-03	6.20E-03	6.89E-03	3.66E-03	3.26E-04	3.22E-03	8.78E-03	8.88E-03	2.06E-03	2.54E-03	1.57E-03
628320	4279100	8.66E-03	6.52E-03	7.24E-03	3.84E-03	3.44E-04	3.40E-03	9.22E-03	9.32E-03	2.17E-03	2.68E-03	1.67E-03
628340	4279100	9.07E-03	6.84E-03	7.58E-03	4.02E-03	3.62E-04	3.58E-03	9.66E-03	9.76E-03	2.28E-03	2.82E-03	1.77E-03
628360	4279100	9.48E-03	7.16E-03	7.96E-03	4.20E-03	3.80E-04	3.76E-03	1.010E-02	1.020E-02	2.39E-03	2.96E-03	1.87E-03
628380	4279100	9.89E-03	7.48E-03	8.31E-03	4.38E-03	3.98E-04	3.94E-03	1.054E-02	1.064E-02	2.50E-03	3.10E-03	1.97E-03
628400	4279100	1.029E-02	7.80E-03	8.69E-03	4.56E-03	4.16E-04	4.12E-03	1.108E-02	1.118E-02	2.61E-03	3.24E-03	2.07E-03
628420	4279100	1.069E-02	8.12E-03	9.05E-03	4.74E-03	4.34E-04	4.30E-03	1.162E-02	1.172E-02	2.72E-03	3.38E-03	2.17E-03
628440	4279100	1.109E-02	8.44E-03	9.41E-03	4.92E-03	4.52E-04	4.48E-03	1.216E-02	1.226E-02	2.83E-03	3.52E-03	2.27E-03
628460	4279100	1.149E-02	8.76E-03	9.79E-03	5.10E-03	4.70E-04	4.66E-03	1.270E-02	1.280E-02	2.94E-03	3.66E-03	2.37E-03
628480	4279100	1.189E-02	9.08E-03	1.017E-02	5.28E-03	4.88E-04	4.84E-03	1.324E-02	1.334E-02	3.05E-03	3.80E-03	2.47E-03
628500	4279100	1.229E-02	9.40E-03	1.055E-02	5.46E-03	5.06E-04	5.02E-03	1.378E-02	1.388E-02	3.16E-03	3.94E-03	2.57E-03
628520	4279100	1.269E-02	9.72E-03	1.093E-02	5.64E-03	5.24E-04	5.20E-03	1.432E-02	1.442E-02	3.27E-03	4.08E-03	2.67E-03
628540	4279100	1.309E-02	1.004E-02	1.131E-02	5.82E-03	5.42E-04	5.38E-03	1.486E-02	1.496E-02	3.38E-03	4.22E-03	2.77E-03
628560	4279100	1.349E-02	1.036E-02	1.169E-02	6.00E-03	5.60E-04	5.56E-03	1.540E-02	1.550E-02	3.49E-03	4.36E-03	2.87E-03
628580	4279100	1.389E-02	1.068E-02	1.207E-02	6.18E-03	5.78E-04	5.74E-03	1.594E-02	1.604E-02	3.60E-03	4.50E-03	2.97E-03
628600	4279100	1.429E-02	1.100E-02	1.245E-02	6.36E-03	5.96E-04	5.92E-03	1.648E-02	1.658E-02	3.71E-03	4.64E-03	3.07E-03
628620	4279100	1.469E-02	1.132E-02	1.283E-02	6.54E-03	6.14E-04	6.10E-03	1.702E-02	1.712E-02	3.82E-03	4.78E-03	3.17E-03
628640	4279100	1.509E-02	1.164E-02	1.321E-02	6.72E-03	6.32E-04	6.28E-03	1.756E-02	1.766E-02	3.93E-03	4.92E-03	3.27E-03
628660	4279100	1.549E-02	1.196E-02	1.359E-02	6.90E-03	6.50E-04	6.46E-03	1.810E-02	1.820E-02	4.04E-03	5.06E-03	3.37E-03
628680	4279100	1.589E-02	1.228E-02	1.397E-02	7.08E-03	6.68E-04	6.64E-03	1.864E-02	1.874E-02	4.15E-03	5.20E-03	3.47E-03
628700	4279100	1.629E-02	1.260E-02	1.435E-02	7.26E-03	6.86E-04	6.82E-03	1.918E-02	1.928E-02	4.26E-03	5.34E-03	3.57E-03
628720	4279100	1.669E-02	1.292E-02	1.473E-02	7.44E-03	7.04E-04	7.00E-03	1.972E-02	1.982E-02	4.37E-03	5.48E-03	3.67E-03
628740	4279100	1.709E-02	1.324E-02	1.511E-02	7.62E-03	7.22E-04	7.18E-03	2.026E-02	2.036E-02	4.48E-03	5.62E-03	3.77E-03
628760	4279100	1.749E-02	1.356E-02	1.549E-02	7.80E-03	7.40E-04	7.36E-03	2.080E-02	2.090E-02	4.59E-03	5.76E-03	3.87E-03
628780	4279100	1.789E-02	1.388E-02	1.587E-02	7.98E-03	7.58E-04	7.54E-03	2.134E-02	2.144E-02	4.70E-03	5.90E-03	3.97E-03
628800	4279100	1.829E-02	1.420E-02	1.625E-02	8.16E-03	7.76E-04	7.72E-03	2.188E-02	2.198E-02	4.81E-03	6.04E-03	4.07E-03
628820	4279100	1.869E-02	1.452E-02	1.663E-02	8.34E-03	7.94E-04	7.90E-03	2.242E-02	2.252E-02	4.92E-03	6.18E-03	4.17E-03
628840	4279100	1.909E-02	1.484E-02	1.701E-02	8.52E-03	8.12E-04	8.08E-03	2.296E-02	2.306E-02	5.03E-03	6.32E-03	4.27E-03
628860	4279100	1.949E-02	1.516E-02	1.739E-02	8.70E-03	8.30E-04	8.26E-03	2.350E-02	2.360E-02	5.14E-03	6.46E-03	4.37E-03
628880	4279100	1.989E-02	1.548E-02	1.777E-02	8.88E-03	8.48E-04	8.44E-03	2.404E-02	2.414E-02	5.25E-03	6.60E-03	4.47E-03
628900	4279100	2.029E-02	1.580E-02	1.815E-02	9.06E-03	8.66E-04	8.62E-03	2.458E-02	2.468E-02	5.36E-03	6.74E-03	4.57E-03
628920	4279100	2.069E-02	1.612E-02	1.853E-02	9.24E-03	8.84E-04	8.80E-03	2.512E-02	2.522E-02	5.47E-03	6.88E-03	4.67E-03
628940	4279100	2.109E-02	1.644E-02	1.891E-02	9.42E-03	9.02E-04	8.98E-03	2.566E-02	2.576E-02	5.58E-03	7.02E-03	4.77E-03
628960	4279100	2.149E-02	1.676E-02	1.929E-02	9.60E-03	9.20E-04	9.16E-03	2.620E-02	2.630E-02	5.69E-03	7.16E-03	4.87E-03
628980	4279100	2.189E-02	1.708E-02	1.967E-02	9.78E-03	9.38E-04	9.34E-03	2.674E-02	2.684E-02	5.80E-03	7.30E-03	4.97E-03
629000	4279100	2.229E-02	1.740E-02	2.005E-02	9.96E-03	9.56E-04	9.52E-03	2.728E-02	2.738E-02	5.91E-03	7.44E-03	5.07E-03
629020	4279100	2.269E-02	1.772E-02	2.043E-02	1.014E-02	9.74E-04	9.70E-03	2.782E-02	2.792E-02	6.02E-03	7.58E-03	5.17E-03
629040	4279100	2.309E-02	1.804E-02	2.081E-02	1.032E-02	9.92E-04	9.88E-03	2.836E-02	2.846E-02	6.13E-03	7.72E-03	5.27E-03
629060	4279100	2.349E-02	1.836E-02	2.119E-02	1.050E-02	1.010E-03	1.006E-03	2.890E-02	2.900E-02	6.24E-03	7.86E-03	5.37E-03
629080	4279100	2.389E-02	1.868E-02	2.157E-02	1.068E-02	1.028E-03	1.024E-03	2.944E-02	2.954E-02	6.35E-03	8.00E-03	5.47E-03
629100	4279100	2.429E-02	1.900E-02	2.195E-02	1.086E-02	1.046E-03	1.042E-03	2.998E-02	3.008E-02	6.46E-03	8.14E-03	5.57E-03
629120	4279100	2.469E-02	1.932E-02	2.233E-02	1.104E-02	1.064E-03	1.060E-03	3.052E-02	3.062E-02	6.57E-03	8.28E-03	5.67E-03
629140	4279100	2.509E-02	1.964E-02	2.271E-02	1.122E-02	1.082E-03	1.078E-03	3.106E-02	3.116E-02	6.68E-03	8.42E-03	5.77E-03
629160	4279100	2.549E-02	1.996E-02	2.309E-02	1.140E-02	1.100E-03	1.096E-03	3.160E-02	3.170E-02	6.79E-03	8.56E-03	5.87E-03
629180	4279100	2.589E-02	2.028E-02	2.347E-02	1.158E-02	1.118E-03	1.114E-03	3.214E-02	3.224E-02	6.90E-03	8.70E-03	5.97E-03
629200	4279100	2.629E-02	2.060E-02	2.385E-02	1.176E-02	1.136E-03	1.132E-03	3.268E-02	3.278E-02	7.01E-03	8.84E-03	6.07E-03
629220	4279100	2.669E-02	2.092E-02	2.423E-02	1.194E-02	1.154E-03	1.150E-03	3.322E-02	3.332E-02	7.12E-03	8.98E-03	6.17E-03
629240	4279100	2.709E-02	2.124E-02	2.461E-02	1.212E-02	1.172E-03	1.168E-03	3.376E-02	3.386E-02	7.23E-03	9.12E-03	6.27E-03
629260	4279100	2.749E-02	2.156E-02	2.499E-02	1.230E-02	1.190E-03	1.186E-03	3.430E-02	3.440E-02	7.34E-03	9.26E-03	6.37E-03
629280	4279100	2.789E-02	2.188E-02	2.537E-02	1.248E-02	1.208E-03	1.204E-03	3.484E-02	3.494E-02	7.45E-03	9.40E-03	6.47E-03
629300	4279100	2.829E-02	2.220E-02	2.575E-02	1.266E-02	1.226E-03	1.222E-03	3.538E-02	3.548E-02	7.56E-03	9.54E-03	6.57E-03
629320	4279100	2.869E-02	2.252E-02	2.613E-02	1.284E-02	1.244E-03	1.240E-03	3.592E-02	3.602E-02	7.67E-03	9.68E-03	6.67E-03
629340	4279100	2.909E-02	2.284E-02	2.651E-02	1.302E-02	1.262E-03	1.258E-03	3.646E-02	3.656E-02	7.78E-03	9.82E-03	6.77E-03
629360	4279100	2.949E-02	2.316E-02	2.689E-02	1.320E-02	1.280E-03	1.276E-03	3.700E-02	3.710E-02	7.89E-03	9.96E-03	6.87E-03
629380	4279100	2.989E-02	2.348E-02	2.727E-02	1.338E-02	1.298E-03	1.294E-03	3.754E-02	3.764E-02	8.00E-03	1.010E-02	6.97E-03
629400	4279100	3.029E-02	2.380E-02	2.765E-02	1.356E-02	1.316E-03	1.312E-03	3.808E-02	3.818E-02	8.11E-03	1.024E-02	7.07E-03
629420	4279100	3.069E-02	2.412E-02	2.803E-02	1.374E-02	1.334E-03	1.330E-03	3.862E-02	3.872E-02	8.22E-03	1.038E-02	7.17E-03
629440	4279100	3.109E-02	2.444E-02	2.841E-02	1.392E-02	1.352E-03	1.348E-03	3.916E-02	3.926E-02	8.33E-03	1.052E-02	7.27E-03
629460	4279100	3.149E-02	2.476E-02	2.879E-02	1.410E-02	1.370E-03	1.366E-03	3.970E-02	3.980E-02	8.44E-03	1.066E-02	7.37E-03
629480	4279100	3.189E-02	2.508E-02</									

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

Table with columns X (UTM), Y (UTM), and CNU Campus (2022-2032) showing Diesel Particulate Matter concentration data for various locations.

Risk Calculation Part 2

Table with columns 3rd Trimester, 0-2, 2-16, Total, Cancer Risk (per million), and Receptor Determination, showing risk calculation data for various locations.

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

Table with columns for X (UTM), Y (UTM), and CNU C_{DPM} for years 2022 through 2032. The table contains a grid of numerical values for each location and year combination.

Risk Calculation Part 2

Table with columns for 3rd Trimester, 0-2, 2-16, Total, and Cancer Risk. It provides risk metrics for each location and year, including receptor determination.

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Camp										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
629300	4279840	1.71E-02	1.28E-02	1.42E-02	7.74E-03	6.73E-04	6.64E-03	1.82E-02	1.85E-02	4.18E-03	5.14E-03	3.07E-03
629320	4279840	1.70E-02	1.26E-02	1.41E-02	7.67E-03	6.68E-04	6.59E-03	1.80E-02	1.83E-02	4.15E-03	5.10E-03	3.05E-03
629340	4279840	1.68E-02	1.25E-02	1.40E-02	7.60E-03	6.62E-04	6.53E-03	1.79E-02	1.81E-02	4.11E-03	5.05E-03	3.02E-03
629360	4279840	1.66E-02	1.24E-02	1.38E-02	7.51E-03	6.54E-04	6.45E-03	1.77E-02	1.79E-02	4.06E-03	5.00E-03	2.99E-03
628920	4279860	1.42E-02	1.05E-02	1.18E-02	6.39E-03	5.56E-04	5.49E-03	1.50E-02	1.53E-02	3.46E-03	4.25E-03	2.54E-03
628940	4279860	1.44E-02	1.07E-02	1.20E-02	6.51E-03	5.67E-04	5.59E-03	1.53E-02	1.55E-02	3.52E-03	4.33E-03	2.59E-03
628960	4279860	1.47E-02	1.09E-02	1.22E-02	6.63E-03	5.78E-04	5.70E-03	1.56E-02	1.58E-02	3.59E-03	4.41E-03	2.64E-03
628980	4279860	1.49E-02	1.11E-02	1.24E-02	6.75E-03	5.88E-04	5.80E-03	1.59E-02	1.61E-02	3.65E-03	4.49E-03	2.68E-03
629000	4279860	1.52E-02	1.13E-02	1.26E-02	6.87E-03	5.98E-04	5.90E-03	1.62E-02	1.64E-02	3.71E-03	4.56E-03	2.73E-03
629020	4279860	1.55E-02	1.15E-02	1.28E-02	6.98E-03	6.08E-04	5.99E-03	1.64E-02	1.67E-02	3.78E-03	4.64E-03	2.77E-03
629040	4279860	1.57E-02	1.17E-02	1.30E-02	7.08E-03	6.17E-04	6.08E-03	1.67E-02	1.69E-02	3.83E-03	4.71E-03	2.82E-03
629060	4279860	1.59E-02	1.18E-02	1.32E-02	7.19E-03	6.25E-04	6.17E-03	1.69E-02	1.71E-02	3.89E-03	4.78E-03	2.86E-03
629100	4279860	1.61E-02	1.20E-02	1.34E-02	7.27E-03	6.33E-04	6.25E-03	1.71E-02	1.74E-02	3.94E-03	4.84E-03	2.89E-03
629140	4279860	1.63E-02	1.21E-02	1.35E-02	7.36E-03	6.41E-04	6.32E-03	1.73E-02	1.76E-02	3.98E-03	4.89E-03	2.93E-03
629120	4279860	1.65E-02	1.23E-02	1.37E-02	7.43E-03	6.47E-04	6.38E-03	1.75E-02	1.77E-02	4.02E-03	4.94E-03	2.95E-03
629160	4279860	1.67E-02	1.24E-02	1.39E-02	7.55E-03	6.57E-04	6.48E-03	1.77E-02	1.80E-02	4.08E-03	5.02E-03	3.00E-03
629180	4279860	1.68E-02	1.25E-02	1.39E-02	7.58E-03	6.60E-04	6.51E-03	1.78E-02	1.81E-02	4.10E-03	5.04E-03	3.01E-03
629200	4279860	1.68E-02	1.25E-02	1.40E-02	7.61E-03	6.62E-04	6.53E-03	1.79E-02	1.81E-02	4.11E-03	5.06E-03	3.02E-03
629220	4279860	1.69E-02	1.26E-02	1.40E-02	7.61E-03	6.63E-04	6.54E-03	1.79E-02	1.82E-02	4.12E-03	5.06E-03	3.03E-03
629240	4279860	1.69E-02	1.26E-02	1.40E-02	7.61E-03	6.63E-04	6.54E-03	1.79E-02	1.82E-02	4.12E-03	5.06E-03	3.03E-03
629260	4279860	1.68E-02	1.25E-02	1.40E-02	7.59E-03	6.61E-04	6.52E-03	1.79E-02	1.81E-02	4.11E-03	5.05E-03	3.02E-03
629280	4279860	1.68E-02	1.25E-02	1.39E-02	7.57E-03	6.59E-04	6.50E-03	1.78E-02	1.81E-02	4.10E-03	5.03E-03	3.01E-03
629300	4279860	1.67E-02	1.24E-02	1.38E-02	7.52E-03	6.55E-04	6.46E-03	1.77E-02	1.80E-02	4.07E-03	5.00E-03	2.99E-03
629320	4279860	1.65E-02	1.23E-02	1.37E-02	7.47E-03	6.50E-04	6.41E-03	1.76E-02	1.78E-02	4.04E-03	4.97E-03	2.97E-03
629340	4279860	1.64E-02	1.22E-02	1.36E-02	7.40E-03	6.44E-04	6.36E-03	1.74E-02	1.77E-02	4.00E-03	4.92E-03	2.94E-03
628920	4279880	1.37E-02	1.02E-02	1.14E-02	6.19E-03	5.39E-04	5.32E-03	1.46E-02	1.48E-02	3.35E-03	4.11E-03	2.46E-03
628940	4279880	1.40E-02	1.04E-02	1.16E-02	6.30E-03	5.49E-04	5.41E-03	1.48E-02	1.50E-02	3.41E-03	4.19E-03	2.51E-03
628960	4279880	1.42E-02	1.06E-02	1.18E-02	6.42E-03	5.59E-04	5.51E-03	1.51E-02	1.53E-02	3.47E-03	4.27E-03	2.55E-03
628980	4279880	1.45E-02	1.08E-02	1.20E-02	6.54E-03	5.69E-04	5.61E-03	1.54E-02	1.56E-02	3.54E-03	4.34E-03	2.60E-03
629000	4279880	1.47E-02	1.10E-02	1.22E-02	6.65E-03	5.79E-04	5.71E-03	1.56E-02	1.59E-02	3.59E-03	4.42E-03	2.64E-03
629020	4279880	1.50E-02	1.11E-02	1.24E-02	6.75E-03	5.88E-04	5.80E-03	1.59E-02	1.61E-02	3.65E-03	4.49E-03	2.68E-03
629040	4279880	1.52E-02	1.13E-02	1.26E-02	6.86E-03	5.97E-04	5.89E-03	1.61E-02	1.64E-02	3.71E-03	4.56E-03	2.73E-03
629060	4279880	1.54E-02	1.15E-02	1.28E-02	6.95E-03	6.05E-04	5.97E-03	1.64E-02	1.66E-02	3.76E-03	4.62E-03	2.76E-03
629080	4279880	1.56E-02	1.16E-02	1.29E-02	7.04E-03	6.13E-04	6.05E-03	1.66E-02	1.68E-02	3.81E-03	4.68E-03	2.80E-03
629100	4279880	1.58E-02	1.17E-02	1.31E-02	7.13E-03	6.20E-04	6.12E-03	1.68E-02	1.70E-02	3.86E-03	4.74E-03	2.83E-03
629120	4279880	1.59E-02	1.19E-02	1.32E-02	7.20E-03	6.27E-04	6.18E-03	1.69E-02	1.72E-02	3.89E-03	4.79E-03	2.86E-03
629140	4279880	1.61E-02	1.20E-02	1.33E-02	7.26E-03	6.32E-04	6.23E-03	1.71E-02	1.73E-02	3.93E-03	4.83E-03	2.89E-03
629180	4279880	1.62E-02	1.21E-02	1.34E-02	7.31E-03	6.36E-04	6.28E-03	1.72E-02	1.74E-02	3.96E-03	4.86E-03	2.91E-03
629160	4279880	1.63E-02	1.21E-02	1.35E-02	7.35E-03	6.40E-04	6.31E-03	1.73E-02	1.75E-02	3.98E-03	4.89E-03	2.92E-03
629200	4279880	1.65E-02	1.22E-02	1.36E-02	7.39E-03	6.43E-04	6.35E-03	1.74E-02	1.76E-02	4.00E-03	4.91E-03	2.94E-03
629220	4279880	1.64E-02	1.22E-02	1.36E-02	7.39E-03	6.43E-04	6.35E-03	1.74E-02	1.76E-02	4.00E-03	4.91E-03	2.94E-03
629240	4279880	1.63E-02	1.22E-02	1.36E-02	7.38E-03	6.42E-04	6.34E-03	1.74E-02	1.76E-02	3.99E-03	4.91E-03	2.93E-03
629260	4279880	1.63E-02	1.22E-02	1.36E-02	7.38E-03	6.42E-04	6.34E-03	1.74E-02	1.76E-02	3.99E-03	4.91E-03	2.93E-03
629280	4279880	1.63E-02	1.21E-02	1.35E-02	7.36E-03	6.40E-04	6.32E-03	1.73E-02	1.76E-02	3.98E-03	4.89E-03	2.92E-03
629300	4279880	1.62E-02	1.21E-02	1.35E-02	7.32E-03	6.37E-04	6.29E-03	1.72E-02	1.75E-02	3.96E-03	4.87E-03	2.91E-03
629320	4279880	1.61E-02	1.20E-02	1.34E-02	7.27E-03	6.33E-04	6.24E-03	1.71E-02	1.73E-02	3.93E-03	4.83E-03	2.89E-03
628920	4279900	1.33E-02	9.88E-03	1.05E-02	6.05E-03	5.25E-04	5.15E-03	1.41E-02	1.43E-02	3.24E-03	3.99E-03	2.45E-03
628940	4279900	1.35E-02	1.01E-02	1.12E-02	6.11E-03	5.32E-04	5.24E-03	1.44E-02	1.46E-02	3.30E-03	4.06E-03	2.49E-03
628960	4279900	1.38E-02	1.03E-02	1.14E-02	6.22E-03	5.42E-04	5.34E-03	1.46E-02	1.48E-02	3.36E-03	4.14E-03	2.47E-03
628980	4279900	1.40E-02	1.04E-02	1.16E-02	6.33E-03	5.51E-04	5.44E-03	1.49E-02	1.51E-02	3.42E-03	4.21E-03	2.52E-03
629000	4279900	1.42E-02	1.06E-02	1.18E-02	6.44E-03	5.60E-04	5.53E-03	1.51E-02	1.54E-02	3.48E-03	4.28E-03	2.56E-03
629020	4279900	1.45E-02	1.08E-02	1.20E-02	6.54E-03	5.69E-04	5.62E-03	1.54E-02	1.56E-02	3.54E-03	4.35E-03	2.60E-03
629040	4279900	1.47E-02	1.09E-02	1.22E-02	6.64E-03	5.78E-04	5.70E-03	1.56E-02	1.58E-02	3.59E-03	4.41E-03	2.64E-03
629060	4279900	1.49E-02	1.11E-02	1.24E-02	6.73E-03	5.86E-04	5.78E-03	1.58E-02	1.61E-02	3.64E-03	4.48E-03	2.68E-03
629080	4279900	1.51E-02	1.12E-02	1.25E-02	6.82E-03	5.94E-04	5.86E-03	1.60E-02	1.63E-02	3.69E-03	4.53E-03	2.71E-03
629100	4279900	1.53E-02	1.14E-02	1.27E-02	6.90E-03	6.01E-04	5.93E-03	1.62E-02	1.65E-02	3.74E-03	4.59E-03	2.74E-03
629120	4279900	1.54E-02	1.15E-02	1.28E-02	6.97E-03	6.07E-04	5.99E-03	1.64E-02	1.66E-02	3.77E-03	4.64E-03	2.77E-03
629140	4279900	1.56E-02	1.16E-02	1.29E-02	7.04E-03	6.13E-04	6.04E-03	1.66E-02	1.68E-02	3.81E-03	4.68E-03	2.80E-03
629160	4279900	1.57E-02	1.17E-02	1.30E-02	7.09E-03	6.17E-04	6.09E-03	1.67E-02	1.69E-02	3.83E-03	4.71E-03	2.82E-03
629180	4279900	1.58E-02	1.17E-02	1.31E-02	7.13E-03	6.20E-04	6.12E-03	1.68E-02	1.70E-02	3.86E-03	4.74E-03	2.83E-03
629200	4279900	1.58E-02	1.18E-02	1.32E-02	7.15E-03	6.23E-04	6.14E-03	1.68E-02	1.71E-02	3.87E-03	4.76E-03	2.84E-03
629220	4279900	1.59E-02	1.18E-02	1.32E-02	7.17E-03	6.24E-04	6.16E-03	1.69E-02	1.71E-02	3.88E-03	4.77E-03	2.85E-03
629240	4279900	1.59E-02	1.18E-02	1.32E-02	7.18E-03	6.25E-04	6.16E-03	1.69E-02	1.71E-02	3.88E-03	4.77E-03	2.85E-03
629260	4279900	1.59E-02	1.18E-02	1.32E-02	7.17E-03	6.24E-04	6.16E-03	1.69E-02	1.71E-02	3.88E-03	4.77E-03	2.85E-03
629280	4279900	1.58E-02	1.18E-02	1.32E-02	7.15E-03	6.23E-04	6.14E-03	1.68E-02	1.71E-02	3.87E-03	4.75E-03	2.84E-03
629300	4279900	1.58E-02	1.17E-02	1.31E-02	7.12E-03	6.20E-04	6.12E-03	1.67E-02	1.70E-02	3.85E-03	4.73E-03	2.83E-03
628920	4279920	1.29E-02	9.58E-03	1.07E-02	5.81E-03	5.06E-04	4.99E-03	1.37E-02	1.39E-02	3.14E-03	3.86E-03	2.31E-03
628940	4279920	1.31E-02	9.75E-03	1.09E-02	5.92E-03	5.15E-04	5.08E-03	1.39E-02	1.41E-02	3.20E-03	3.93E-03	2.35E-03
628960	4279920	1.33E-02	9.93E-03	1.11E-02	6.03E-03	5.25E-04	5.17E-03	1.42E-02	1.44E-02	3.26E-03	4.01E-03	2.39E-03
628980	4279920	1.36E-02	1.01E-02	1.13E-02	6.13E-03	5.34E-04	5.27E-03	1.44E-02	1.46E-02	3.32E-03	4.08E-03	2.44E-03
629000	4279920	1.38E-02	1.03E-02	1.								

Innovation Park PUD

CNU Campus

Mitigated CNU Campus Construction Cancer Risk Calculations for Residential Child Receptor

Construction Emissions, as applied to AERMOD results

CNU Campus Construction	Year	Start Date	Stop Date	Days				Mitigated DPM	
				3rd Trimester	0-2	2-16	Duration	tons	g/s
	2022	2/1/2022	12/31/2022	90.00	244.00	0.00	334	1.09E-02	3.43E-04
	2023	1/1/2023	12/31/2023	0.00	365.00	0.00	365	1.01E-02	2.92E-04
	2024	1/1/2024	12/31/2024	0.00	121.00	245.00	366	1.23E-02	3.54E-04
	2025	1/1/2025	12/31/2025	0.00	0.00	365.00	365	8.11E-03	2.33E-04
	2026	1/1/2026	12/31/2026	0.00	0.00	365.00	365	6.80E-04	1.96E-05
	2027	1/1/2027	12/31/2027	0.00	0.00	365.00	365	6.50E-03	1.87E-04
	2028	1/1/2028	12/31/2028	0.00	0.00	366.00	366	1.94E-02	5.28E-04
	2029	1/1/2029	12/31/2029	0.00	0.00	365.00	365	1.86E-02	5.34E-04
	2030	1/1/2030	12/31/2030	0.00	0.00	365.00	365	2.82E-02	8.11E-04
	2031	1/1/2031	12/31/2031	0.00	0.00	365.00	365	2.63E-02	7.56E-04
	2032	1/1/2032	8/31/2032	0.00	0.00	244.00	244	6.18E-03	2.66E-04

Risk Factors

Abbreviation	UOM	3rd Trimester	0-2	2-16
Daily Breathing Rate (95th %ile)	DBR L/kg-day	361	1090	572
Fraction of Time At Home	FAH unitless	1	1	1
Exposure Frequency	EF days/year	0.96	0.96	0.96
Age Sensitivity Factor	ASF unitless	10	10	3
Inhalation Absorption Factor	A unitless	1	1	1
Conversion Factor	CF ₁ m ³ /L	0.001	0.001	0.001
Conversion Factor	CF ₂ μg/m ³	0.001	0.001	0.001
Cancer Potency Factor (diesel exhaust)	CPF mg/kg-day ⁻¹	1.1	1.1	1.1
Averaging Time (for residential exposure)	AT	70.00	70.00	70.00

Intake Factor for Inhalation, IF (m³/kg-day)

Year	Equation	3rd Trimester	0-2	2-16
2022		0.012	0.100	0.000
2023		0.000	0.149	0.000
2024		0.000	0.049	0.016
2025		0.000	0.000	0.024
2026		0.000	0.000	0.024
2027		0.000	0.000	0.024
2028		0.000	0.000	0.024
2029		0.000	0.000	0.024
2030		0.000	0.000	0.024
2031		0.000	0.000	0.024
2032		0.000	0.000	0.016

Risk Calculation Part 1, R1

Year	3rd Trimester	0-2	2-16
2022	1.34E-05	1.10E-04	0.00E+00
2023	0.00E+00	1.64E-04	0.00E+00
2024	0.00E+00	5.44E-05	1.74E-05
2025	0.00E+00	0.00E+00	2.59E-05
2026	0.00E+00	0.00E+00	2.59E-05
2027	0.00E+00	0.00E+00	2.59E-05
2028	0.00E+00	0.00E+00	2.59E-05
2029	0.00E+00	0.00E+00	2.59E-05
2030	0.00E+00	0.00E+00	2.59E-05
2031	0.00E+00	0.00E+00	2.59E-05
2032	0.00E+00	0.00E+00	1.73E-05

Max	UTM X	UTM Y
1.79	629220	4278520

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Campus											
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
629540	4278320	8.13E-04	6.91E-04	8.39E-04	5.53E-04	4.63E-05	4.43E-04	1.25E-03	1.27E-03	1.92E-03	1.79E-03	6.30E-04	
629560	4278320	7.78E-04	6.61E-04	8.03E-04	5.29E-04	4.44E-05	4.24E-04	1.20E-03	1.21E-03	1.84E-03	1.71E-03	6.03E-04	
629540	4278340	8.29E-04	7.05E-04	8.55E-04	5.64E-04	4.73E-05	4.54E-04	1.27E-03	1.29E-03	1.96E-03	1.83E-03	6.43E-04	
629560	4278340	7.93E-04	6.74E-04	8.18E-04	5.39E-04	4.52E-05	4.32E-04	1.22E-03	1.23E-03	1.87E-03	1.75E-03	6.14E-04	
629580	4278340	7.59E-04	6.45E-04	7.82E-04	5.16E-04	4.32E-05	4.13E-04	1.17E-03	1.18E-03	1.79E-03	1.67E-03	5.88E-04	
629520	4278360	8.86E-04	7.53E-04	9.14E-04	6.02E-04	5.05E-05	4.83E-04	1.36E-03	1.38E-03	2.09E-03	1.95E-03	6.86E-04	
629540	4278360	8.45E-04	7.18E-04	8.72E-04	5.75E-04	4.82E-05	4.60E-04	1.30E-03	1.32E-03	2.00E-03	1.86E-03	6.55E-04	
629560	4278360	8.07E-04	6.86E-04	8.32E-04	5.48E-04	4.60E-05	4.40E-04	1.24E-03	1.26E-03	1.91E-03	1.78E-03	6.25E-04	
629580	4278360	7.71E-04	6.55E-04	7.95E-04	5.24E-04	4.39E-05	4.20E-04	1.18E-03	1.20E-03	1.82E-03	1.70E-03	5.97E-04	
629600	4278360	7.35E-04	6.26E-04	7.59E-04	5.06E-04	4.20E-05	4.01E-04	1.13E-03	1.15E-03	1.74E-03	1.62E-03	5.70E-04	
629520	4278380	9.03E-04	7.68E-04	9.32E-04	6.14E-04	5.15E-05	4.92E-04	1.39E-03	1.41E-03	2.13E-03	1.99E-03	7.00E-04	
629540	4278380	8.67E-04	7.37E-04	8.94E-04	5.84E-04	4.84E-05	4.63E-04	1.30E-03	1.32E-03	1.95E-03	1.82E-03	6.40E-04	
629560	4278380	8.31E-04	7.04E-04	8.61E-04	5.61E-04	4.64E-05	4.42E-04	1.25E-03	1.27E-03	1.89E-03	1.76E-03	6.17E-04	
629580	4278380	7.95E-04	6.74E-04	8.31E-04	5.40E-04	4.44E-05	4.22E-04	1.20E-03	1.22E-03	1.83E-03	1.70E-03	5.94E-04	
629600	4278380	7.59E-04	6.38E-04	7.95E-04	5.20E-04	4.26E-05	4.04E-04	1.15E-03	1.17E-03	1.76E-03	1.63E-03	5.71E-04	
629520	4278400	9.39E-04	7.97E-04	9.66E-04	6.36E-04	5.29E-05	5.07E-04	1.42E-03	1.44E-03	2.18E-03	2.04E-03	7.20E-04	
629540	4278400	9.03E-04	7.61E-04	9.29E-04	6.14E-04	5.09E-05	4.91E-04	1.35E-03	1.37E-03	2.04E-03	1.90E-03	6.90E-04	
629560	4278400	8.67E-04	7.25E-04	8.92E-04	5.91E-04	4.91E-05	4.69E-04	1.28E-03	1.30E-03	1.93E-03	1.80E-03	6.67E-04	
629580	4278400	8.31E-04	6.95E-04	8.62E-04	5.70E-04	4.72E-05	4.50E-04	1.23E-03	1.25E-03	1.87E-03	1.74E-03	6.44E-04	
629600	4278400	7.95E-04	6.59E-04	8.26E-04	5.50E-04	4.54E-05	4.32E-04	1.18E-03	1.20E-03	1.81E-03	1.68E-03	6.21E-04	
629520	4278420	9.69E-04	8.27E-04	9.94E-04	6.56E-04	5.59E-05	5.36E-04	1.49E-03	1.51E-03	2.26E-03	2.12E-03	7.30E-04	
629540	4278420	9.33E-04	7.91E-04	9.59E-04	6.35E-04	5.37E-05	5.14E-04	1.42E-03	1.44E-03	2.17E-03	2.03E-03	7.13E-04	
629560	4278420	8.97E-04	7.55E-04	9.24E-04	6.14E-04	5.19E-05	4.95E-04	1.35E-03	1.37E-03	2.07E-03	1.93E-03	6.98E-04	
629580	4278420	8.61E-04	7.19E-04	8.87E-04	5.93E-04	5.00E-05	4.77E-04	1.30E-03	1.32E-03	2.00E-03	1.86E-03	6.78E-04	
629600	4278420	8.25E-04	6.85E-04	8.52E-04	5.72E-04	4.81E-05	4.54E-04	1.25E-03	1.27E-03	1.93E-03	1.80E-03	6.58E-04	
629520	4278440	9.93E-04	8.51E-04	1.02E-03	6.75E-04	5.80E-05	5.57E-04	1.51E-03	1.53E-03	2.29E-03	2.15E-03	7.39E-04	
629540	4278440	9.57E-04	8.15E-04	9.84E-04	6.54E-04	5.61E-05	5.38E-04	1.44E-03	1.46E-03	2.20E-03	2.06E-03	7.20E-04	
629560	4278440	9.21E-04	7.79E-04	9.48E-04	6.33E-04	5.42E-05	5.19E-04	1.37E-03	1.39E-03	2.11E-03	1.97E-03	6.99E-04	
629580	4278440	8.85E-04	7.49E-04	9.16E-04	6.12E-04	5.24E-05	4.99E-04	1.30E-03	1.32E-03	1.97E-03	1.83E-03	6.78E-04	
629600	4278440	8.49E-04	7.13E-04	8.80E-04	5.91E-04	5.05E-05	4.72E-04	1.23E-03	1.25E-03	1.87E-03	1.73E-03	6.57E-04	
629520	4278460	1.02E-03	8.79E-04	1.05E-03	7.00E-04	6.05E-05	5.82E-04	1.58E-03	1.60E-03	2.34E-03	2.20E-03	7.49E-04	
629540	4278460	9.84E-04	8.43E-04	1.01E-03	6.79E-04	5.86E-05	5.63E-04	1.51E-03	1.53E-03	2.25E-03	2.11E-03	7.30E-04	
629560	4278460	9.47E-04	8.06E-04	9.74E-04	6.58E-04	5.67E-05	5.44E-04	1.44E-03	1.46E-03	2.16E-03	2.02E-03	7.11E-04	
629580	4278460	9.10E-04	7.70E-04	9.37E-04	6.37E-04	5.49E-05	5.26E-04	1.37E-03	1.39E-03	2.07E-03	1.93E-03	6.92E-04	
629600	4278460	8.73E-04	7.37E-04	9.04E-04	6.16E-04	5.34E-05	5.09E-04	1.30E-03	1.32E-03	1.98E-03	1.84E-03	6.73E-04	
629520	4278480	1.05E-03	9.09E-04	1.08E-03	7.29E-04	6.33E-05	6.10E-04	1.65E-03	1.67E-03	2.41E-03	2.27E-03	7.59E-04	
629540	4278480	1.01E-03	8.73E-04	1.04E-03	7.08E-04	6.16E-05	5.94E-04	1.58E-03	1.60E-03	2.32E-03	2.18E-03	7.40E-04	
629560	4278480	9.74E-04	8.37E-04	1.01E-03	6.87E-04	6.01E-05	5.80E-04	1.51E-03	1.53E-03	2.23E-03	2.09E-03	7.21E-04	
629580	4278480	9.37E-04	8.01E-04	9.68E-04	6.66E-04	5.84E-05	5.62E-04	1.44E-03	1.46E-03	2.14E-03	2.00E-03	7.02E-04	
629600	4278480	9.00E-04	7.65E-04	9.39E-04	6.45E-04	5.69E-05	5.47E-04	1.37E-03	1.39E-03	2.05E-03	1.91E-03	6.83E-04	
629520	4278500	1.08E-03	9.31E-04	1.12E-03	7.36E-04	6.41E-05	6.18E-04	1.72E-03	1.74E-03	2.46E-03	2.32E-03	7.69E-04	
629540	4278500	1.04E-03	8.95E-04	1.09E-03	7.17E-04	6.26E-05	6.00E-04	1.65E-03	1.67E-03	2.37E-03	2.23E-03	7.50E-04	
629560	4278500	1.00E-03	8.59E-04	1.05E-03	6.98E-04	6.13E-05	5.89E-04	1.58E-03	1.60E-03	2.28E-03	2.14E-03	7.31E-04	
629580	4278500	9.63E-04	8.23E-04	1.01E-03	6.79E-04	6.00E-05	5.70E-04	1.51E-03	1.53E-03	2.19E-03	2.05E-03	7.12E-04	
629600	4278500	9.26E-04	7.87E-04	9.80E-04	6.60E-04	5.93E-05	5.61E-04	1.44E-03	1.46E-03	2.10E-03	1.96E-03	6.93E-04	
629520	4278520	1.11E-03	9.54E-04	1.15E-03	7.51E-04	6.47E-05	6.24E-04	1.79E-03	1.81E-03	2.51E-03	2.37E-03	7.89E-04	
629540	4278520	1.07E-03	9.18E-04	1.11E-03	7.32E-04	6.34E-05							

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Camp										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
629460	4278480	1.17E-03	9.95E-04	1.21E-03	7.96E-04	6.67E-05	6.38E-04	1.80E-03	1.82E-03	2.77E-03	2.58E-03	9.07E-04
629480	4278480	1.10E-03	9.36E-04	1.14E-03	7.49E-04	6.28E-05	6.00E-04	1.69E-03	1.71E-03	2.60E-03	2.43E-03	8.54E-04
629500	4278480	1.04E-03	8.82E-04	1.07E-03	7.06E-04	5.92E-05	5.66E-04	1.60E-03	1.62E-03	2.45E-03	2.29E-03	8.04E-04
629520	4278480	9.85E-04	8.33E-04	1.01E-03	6.60E-04	5.85E-05	5.60E-04	1.51E-03	1.53E-03	2.39E-03	2.23E-03	7.58E-04
629540	4278480	9.26E-04	7.87E-04	9.55E-04	6.29E-04	5.27E-05	5.04E-04	1.42E-03	1.44E-03	2.19E-03	2.04E-03	7.17E-04
629560	4278480	8.76E-04	7.44E-04	9.03E-04	5.95E-04	4.99E-05	4.77E-04	1.35E-03	1.36E-03	2.07E-03	1.93E-03	6.78E-04
629580	4278480	8.30E-04	7.05E-04	8.56E-04	5.64E-04	4.73E-05	4.52E-04	1.28E-03	1.29E-03	1.96E-03	1.83E-03	6.43E-04
629600	4278480	7.88E-04	6.69E-04	8.12E-04	5.35E-04	4.49E-05	4.29E-04	1.21E-03	1.23E-03	1.86E-03	1.74E-03	6.10E-04
629620	4278480	7.49E-04	6.36E-04	7.72E-04	5.09E-04	4.27E-05	4.08E-04	1.15E-03	1.17E-03	1.77E-03	1.65E-03	5.80E-04
629640	4278480	7.13E-04	6.06E-04	7.35E-04	4.85E-04	4.06E-05	3.88E-04	1.10E-03	1.11E-03	1.68E-03	1.57E-03	5.52E-04
629660	4278480	6.80E-04	5.78E-04	7.01E-04	4.62E-04	3.87E-05	3.70E-04	1.04E-03	1.06E-03	1.61E-03	1.50E-03	5.27E-04
629680	4278480	6.49E-04	5.51E-04	6.69E-04	4.41E-04	3.70E-05	3.54E-04	9.97E-04	1.01E-03	1.53E-03	1.43E-03	5.03E-04
629700	4278480	6.21E-04	5.27E-04	6.40E-04	4.22E-04	3.54E-05	3.38E-04	9.54E-04	9.66E-04	1.47E-03	1.37E-03	4.81E-04
629720	4278480	5.94E-04	5.05E-04	6.13E-04	4.04E-04	3.39E-05	3.24E-04	9.13E-04	9.25E-04	1.40E-03	1.31E-03	4.60E-04
629740	4278500	1.27E-03	1.08E-03	1.31E-03	8.66E-04	7.26E-05	6.94E-04	1.96E-03	1.98E-03	3.01E-03	2.81E-03	9.87E-04
629760	4278500	1.19E-03	1.01E-03	1.23E-03	8.10E-04	6.79E-05	6.49E-04	1.83E-03	1.85E-03	2.82E-03	2.63E-03	9.24E-04
629780	4278500	1.12E-03	9.52E-04	1.15E-03	7.61E-04	6.38E-05	6.10E-04	1.72E-03	1.74E-03	2.65E-03	2.47E-03	8.68E-04
629800	4278500	1.05E-03	8.95E-04	1.09E-03	7.16E-04	6.00E-05	5.74E-04	1.62E-03	1.64E-03	2.49E-03	2.32E-03	8.16E-04
629820	4278500	9.92E-04	8.43E-04	1.02E-03	6.74E-04	5.65E-05	5.40E-04	1.52E-03	1.54E-03	2.34E-03	2.19E-03	7.69E-04
629840	4278500	9.36E-04	7.95E-04	9.65E-04	6.36E-04	5.33E-05	5.10E-04	1.44E-03	1.46E-03	2.21E-03	2.06E-03	7.25E-04
629860	4278500	8.85E-04	7.52E-04	9.13E-04	6.01E-04	5.04E-05	4.82E-04	1.36E-03	1.38E-03	2.09E-03	1.95E-03	6.86E-04
629880	4278500	8.38E-04	7.12E-04	8.64E-04	5.69E-04	4.77E-05	4.56E-04	1.29E-03	1.31E-03	1.98E-03	1.85E-03	6.49E-04
629900	4278500	7.95E-04	6.75E-04	8.20E-04	5.35E-04	4.75E-05	4.54E-04	1.24E-03	1.26E-03	1.87E-03	1.75E-03	6.12E-04
629920	4278500	7.55E-04	6.42E-04	7.79E-04	5.13E-04	4.30E-05	4.11E-04	1.16E-03	1.18E-03	1.78E-03	1.66E-03	5.85E-04
629940	4278500	7.19E-04	6.11E-04	7.41E-04	4.88E-04	4.10E-05	3.91E-04	1.10E-03	1.12E-03	1.70E-03	1.58E-03	5.57E-04
629960	4278500	6.85E-04	5.82E-04	7.06E-04	4.66E-04	3.90E-05	3.73E-04	1.05E-03	1.07E-03	1.62E-03	1.51E-03	5.31E-04
629980	4278500	6.50E-04	5.56E-04	6.74E-04	4.45E-04	3.73E-05	3.56E-04	1.00E-03	1.02E-03	1.54E-03	1.44E-03	5.07E-04
629990	4278500	6.25E-04	5.31E-04	6.45E-04	4.25E-04	3.56E-05	3.40E-04	9.61E-04	9.73E-04	1.48E-03	1.38E-03	4.84E-04
630010	4278500	6.00E-04	5.09E-04	6.17E-04	4.07E-04	3.41E-05	3.24E-04	9.20E-04	9.31E-04	1.41E-03	1.32E-03	4.64E-04
630030	4278520	1.39E-03	1.18E-03	1.44E-03	9.46E-04	7.93E-05	7.58E-04	2.14E-03	2.17E-03	3.29E-03	3.07E-03	1.08E-03
630050	4278520	1.30E-03	1.10E-03	1.34E-03	8.80E-04	7.70E-05	7.06E-04	2.02E-03	2.06E-03	3.06E-03	2.85E-03	1.00E-03
630070	4278520	1.21E-03	1.03E-03	1.25E-03	8.23E-04	6.90E-05	6.60E-04	1.86E-03	1.88E-03	2.86E-03	2.67E-03	9.38E-04
630090	4278520	1.14E-03	9.65E-04	1.17E-03	7.72E-04	6.47E-05	6.19E-04	1.75E-03	1.77E-03	2.68E-03	2.50E-03	8.80E-04
630110	4278520	1.07E-03	9.06E-04	1.10E-03	7.25E-04	6.08E-05	5.81E-04	1.64E-03	1.66E-03	2.52E-03	2.35E-03	8.26E-04
630130	4278520	8.53E-04	7.24E-04	8.03E-04	6.82E-04	5.72E-05	5.47E-04	1.54E-03	1.56E-03	2.37E-03	2.21E-03	7.77E-04
630150	4278520	9.46E-04	8.04E-04	9.75E-04	6.48E-04	5.39E-05	5.15E-04	1.45E-03	1.47E-03	2.23E-03	2.08E-03	7.33E-04
630170	4278520	8.93E-04	7.59E-04	9.21E-04	6.07E-04	5.09E-05	4.87E-04	1.37E-03	1.39E-03	2.11E-03	1.97E-03	6.92E-04
630190	4278520	8.45E-04	7.18E-04	8.72E-04	5.74E-04	4.82E-05	4.60E-04	1.30E-03	1.32E-03	2.00E-03	1.86E-03	6.55E-04
630210	4278520	8.01E-04	6.81E-04	8.26E-04	5.45E-04	4.57E-05	4.37E-04	1.23E-03	1.25E-03	1.89E-03	1.77E-03	6.21E-04
630230	4278520	7.61E-04	6.47E-04	7.85E-04	5.17E-04	4.34E-05	4.15E-04	1.17E-03	1.18E-03	1.80E-03	1.68E-03	5.90E-04
630250	4278520	7.23E-04	6.15E-04	7.47E-04	4.87E-04	4.13E-05	3.95E-04	1.11E-03	1.12E-03	1.71E-03	1.60E-03	5.56E-04
630270	4278520	6.90E-04	5.87E-04	7.12E-04	4.69E-04	3.93E-05	3.76E-04	1.06E-03	1.07E-03	1.63E-03	1.52E-03	5.35E-04
630290	4278520	6.59E-04	5.60E-04	6.79E-04	4.48E-04	3.75E-05	3.59E-04	1.01E-03	1.03E-03	1.56E-03	1.45E-03	5.10E-04
630310	4278520	6.30E-04	5.35E-04	6.49E-04	4.28E-04	3.59E-05	3.43E-04	9.68E-04	9.80E-04	1.49E-03	1.39E-03	4.88E-04
630330	4278520	6.03E-04	5.12E-04	6.21E-04	4.10E-04	3.43E-05	3.28E-04	9.26E-04	9.38E-04	1.42E-03	1.33E-03	4.67E-04
630350	4278540	1.42E-03	1.21E-03	1.46E-03	9.65E-04	8.09E-05	7.73E-04	2.18E-03	2.21E-03	3.35E-03	3.13E-03	1.10E-03
630370	4278540	1.32E-03	1.12E-03	1.36E-03	8.97E-04	7.51E-05	7.18E-04	2.03E-03	2.06E-03	3.11E-03	2.90E-03	1.02E-03
630390	4278540	1.25E-03	1.05E-03	1.27E-03	8.36E-04	7.07E-05	6.73E-04	1.91E-03	1.91E-03	2.91E-03	2.71E-03	9.53E-04
630410	4278540	1.15E-03	9.78E-04	1.19E-03	7.82E-04	6.56E-05	6.27E-04	1.77E-03	1.79E-03	2.72E-03	2.53E-03	8.91E-04
630430	4278540	1.08E-03	9.17E-04	1.11E-03	7.33E-04	6.15E-05	5.88E-04	1.66E-03	1.68E-03	2.55E-03	2.38E-03	8.36E-04
630450	4278540	1.01E-03	8.61E-04	1.05E-03	6.89E-04	5.78E-05	5.52E-04	1.56E-03	1.58E-03	2.39E-03	2.23E-03	7.85E-04
630470	4278540	9.55E-04	8.12E-04	9.85E-04	6.49E-04	5.44E-05	5.20E-04	1.47E-03	1.49E-03	2.26E-03	2.10E-03	7.40E-04
630490	4278540	9.01E-04	7.66E-04	9.30E-04	6.13E-04	5.14E-05	4.91E-04	1.39E-03	1.41E-03	2.13E-03	1.99E-03	6.98E-04
630510	4278540	8.50E-04	7.24E-04	8.79E-04	5.79E-04	4.95E-05	4.74E-04	1.32E-03	1.34E-03	2.05E-03	1.91E-03	6.50E-04
630530	4278540	8.08E-04	6.87E-04	8.33E-04	5.49E-04	4.80E-05	4.60E-04	1.24E-03	1.26E-03	1.91E-03	1.78E-03	6.26E-04
630550	4278540	7.67E-04	6.52E-04	7.91E-04	5.21E-04	4.37E-05	4.18E-04	1.18E-03	1.19E-03	1.81E-03	1.69E-03	5.94E-04
630570	4278540	7.30E-04	6.20E-04	7.53E-04	4.96E-04	4.16E-05	3.98E-04	1.12E-03	1.14E-03	1.72E-03	1.61E-03	5.65E-04
630590	4278540	6.95E-04	5.91E-04	7.17E-04	4.73E-04	3.96E-05	3.79E-04	1.07E-03	1.08E-03	1.64E-03	1.53E-03	5.39E-04
630610	4278540	6.63E-04	5.64E-04	6.84E-04	4.51E-04	3.78E-05	3.61E-04	1.02E-03	1.03E-03	1.57E-03	1.46E-03	5.14E-04
630630	4278540	6.32E-04	5.39E-04	6.54E-04	4.31E-04	3.61E-05	3.45E-04	9.75E-04	9.86E-04	1.49E-03	1.40E-03	4.95E-04
630650	4278540	6.07E-04	5.15E-04	6.26E-04	4.12E-04	3.46E-05	3.30E-04	9.32E-04	9.44E-04	1.43E-03	1.34E-03	4.70E-04
630670	4278560	1.25E-03	1.06E-03	1.29E-03	8.47E-04	7.10E-05	6.79E-04	1.92E-03	1.94E-03	2.94E-03	2.75E-03	9.66E-04
630690	4278560	1.16E-03	9.89E-04	1.20E-03	7.91E-04	6.63E-05	6.34E-04	1.79E-03	1.81E-03	2.75E-03	2.56E-03	9.02E-04
630710	4278560	1.09E-03	9.26E-04	1.12E-03	7.41E-04	6.21E-05	5.94E-04	1.68E-03	1.70E-03	2.58E-03	2.40E-03	8.45E-04
630730	4278560	1.02E-03	8.70E-04	1.06E-03	6.96E-04	5.83E-05	5.58E-04	1.57E-03	1.59E-03	2.42E-03	2.26E-03	7.93E-04
630750	4278560	9.19E-04	7.95E-04	9.49E-04	6.25E-04	5.49E-05	5.25E-04	1.48E-03	1.50E-03	2.26E-03	2.10E-03	7.46E-04
630770	4278560	9.00E-04	7.72E-04	9.37E-04	6.18E-04	5.18E-05	4.95E-04	1.40E-03	1.41E-03	2.15E-03	2.00E-03	7.04E-04
630790	4278560	8.59E-04	7.30E-04	8.86E-04	5.84E-04	4.90E-05	4.68E-04	1.32E-03	1.34E-03	2.03E-03	1.89E-03	6.66E-04
630810	4278560	8.14E-04	6.92E-04	8.39E-04	5.53E-04	4.64E-05	4.43E-04	1.25E-03	1.27E-03	1.92E-03	1.79E-03	6.31E-04
630830	4278560	7.73E-04	6.57E-04	7.97E-04	5.25E-04	4.40E-05	4.21E-04	1.19E-03	1.20E-03	1.83E-03	1.70E-03	5.99E-04
630850	4278560	7.35E-04	6.25E-04	7.								

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Camp										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
629220	4278260	1.29E-03	1.09E-03	1.33E-03	8.75E-04	7.34E-05	7.01E-04	1.98E-03	2.00E-03	3.04E-03	2.84E-03	9.98E-04
629220	4278260	1.27E-03	1.08E-03	1.30E-03	8.60E-04	7.21E-05	6.89E-04	1.94E-03	1.97E-03	2.99E-03	2.79E-03	9.80E-04
629260	4278260	1.24E-03	1.05E-03	1.28E-03	8.43E-04	7.07E-05	6.75E-04	1.91E-03	1.93E-03	2.93E-03	2.73E-03	9.61E-04
629380	4278260	1.21E-03	1.02E-03	1.25E-03	8.26E-04	6.90E-05	6.62E-04	1.88E-03	1.89E-03	2.89E-03	2.69E-03	9.42E-04
629300	4278260	1.18E-03	1.00E-03	1.22E-03	8.01E-04	6.71E-05	6.42E-04	1.81E-03	1.83E-03	2.78E-03	2.60E-03	9.13E-04
629320	4278260	1.15E-03	9.74E-04	1.18E-03	7.79E-04	6.53E-05	6.24E-04	1.76E-03	1.78E-03	2.71E-03	2.52E-03	8.88E-04
629340	4278260	1.11E-03	9.43E-04	1.14E-03	7.54E-04	6.32E-05	6.05E-04	1.71E-03	1.73E-03	2.62E-03	2.45E-03	8.60E-04
629360	4278260	1.07E-03	9.11E-04	1.11E-03	7.29E-04	6.11E-05	5.84E-04	1.65E-03	1.67E-03	2.53E-03	2.36E-03	8.31E-04
629380	4278260	1.03E-03	8.79E-04	1.07E-03	7.03E-04	5.90E-05	5.64E-04	1.59E-03	1.61E-03	2.44E-03	2.28E-03	8.02E-04
629400	4278260	9.97E-04	8.47E-04	1.03E-03	6.78E-04	5.68E-05	5.43E-04	1.53E-03	1.55E-03	2.36E-03	2.20E-03	7.72E-04
629420	4278260	9.60E-04	8.16E-04	9.90E-04	6.52E-04	5.47E-05	5.23E-04	1.48E-03	1.49E-03	2.27E-03	2.12E-03	7.44E-04
629440	4278260	9.23E-04	7.85E-04	9.52E-04	6.27E-04	5.26E-05	5.03E-04	1.42E-03	1.44E-03	2.18E-03	2.03E-03	7.15E-04
629460	4278260	8.87E-04	7.54E-04	9.15E-04	6.03E-04	5.06E-05	4.78E-04	1.36E-03	1.38E-03	2.10E-03	1.96E-03	6.88E-04
629480	4278260	8.49E-04	7.21E-04	8.73E-04	5.79E-04	4.81E-05	4.54E-04	1.30E-03	1.32E-03	2.02E-03	1.87E-03	6.60E-04
629500	4278260	8.11E-04	6.89E-04	8.41E-04	5.54E-04	4.84E-05	4.28E-04	1.24E-03	1.26E-03	1.94E-03	1.79E-03	6.32E-04
629520	4278260	7.74E-04	6.57E-04	8.03E-04	5.28E-04	4.87E-05	4.02E-04	1.18E-03	1.20E-03	1.82E-03	1.67E-03	6.04E-04
629540	4278260	7.36E-04	6.25E-04	7.65E-04	5.02E-04	4.90E-05	3.76E-04	1.12E-03	1.14E-03	1.70E-03	1.51E-03	5.76E-04
629560	4278260	6.99E-04	5.93E-04	7.27E-04	4.76E-04	4.93E-05	3.50E-04	1.06E-03	1.08E-03	1.58E-03	1.33E-03	5.48E-04
629580	4278260	6.61E-04	5.61E-04	6.89E-04	4.50E-04	4.96E-05	3.24E-04	1.00E-03	1.02E-03	1.46E-03	1.15E-03	5.20E-04
629600	4278260	6.24E-04	5.29E-04	6.57E-04	4.24E-04	4.99E-05	2.98E-04	9.4E-04	9.6E-04	1.34E-03	1.03E-03	4.92E-04
629620	4278260	5.86E-04	4.97E-04	6.25E-04	4.00E-04	5.02E-05	2.72E-04	8.8E-04	9.0E-04	1.22E-03	9.1E-04	4.64E-04
629640	4278260	5.49E-04	4.65E-04	5.93E-04	3.74E-04	5.05E-05	2.46E-04	8.2E-04	8.4E-04	1.10E-03	8.3E-04	4.36E-04
629660	4278260	5.11E-04	4.33E-04	5.60E-04	3.48E-04	5.08E-05	2.20E-04	7.6E-04	7.8E-04	1.00E-03	7.4E-04	4.08E-04
629680	4278260	4.74E-04	4.01E-04	5.27E-04	3.22E-04	5.11E-05	1.94E-04	7.0E-04	7.2E-04	9.0E-04	6.6E-04	3.80E-04
629700	4278260	4.36E-04	3.70E-04	4.94E-04	2.96E-04	5.14E-05	1.68E-04	6.4E-04	6.6E-04	8.0E-04	5.8E-04	3.52E-04
629720	4278260	3.99E-04	3.38E-04	4.61E-04	2.70E-04	5.17E-05	1.42E-04	5.8E-04	6.0E-04	7.0E-04	5.0E-04	3.24E-04
629740	4278260	3.61E-04	3.06E-04	4.28E-04	2.44E-04	5.20E-05	1.16E-04	5.2E-04	5.4E-04	6.0E-04	4.2E-04	2.96E-04
629760	4278260	3.24E-04	2.74E-04	3.95E-04	2.18E-04	5.23E-05	9.0E-05	4.6E-04	4.8E-04	5.0E-04	3.4E-04	2.68E-04
629780	4278260	2.86E-04	2.42E-04	3.62E-04	1.92E-04	5.26E-05	6.8E-05	4.0E-04	4.2E-04	4.0E-04	2.6E-04	2.40E-04
629800	4278260	2.49E-04	2.10E-04	3.29E-04	1.66E-04	5.29E-05	4.6E-05	3.4E-04	3.6E-04	3.0E-04	1.8E-04	2.12E-04
629820	4278260	2.11E-04	1.72E-04	2.96E-04	1.40E-04	5.32E-05	2.4E-05	2.8E-04	3.0E-04	2.0E-04	1.0E-04	1.84E-04
629840	4278260	1.74E-04	1.35E-04	2.63E-04	1.14E-04	5.35E-05	3.2E-06	2.2E-04	2.4E-04	1.0E-04	0.0E-04	1.66E-04
629860	4278260	1.36E-04	9.6E-05	2.30E-04	8.8E-05	5.38E-05	1.0E-06	1.6E-04	1.8E-04	0.0E-04	0.0E-04	1.48E-04
629880	4278260	9.8E-05	5.7E-05	2.07E-04	6.2E-05	5.41E-05	0.0E-06	1.0E-04	1.2E-04	0.0E-04	0.0E-04	1.30E-04
629900	4278260	6.0E-05	1.6E-05	1.84E-04	3.6E-05	5.44E-05	0.0E-06	4.0E-05	4.0E-05	0.0E-04	0.0E-04	1.12E-04
629920	4278260	2.2E-05	0.0E-05	1.61E-04	1.0E-05	5.47E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	9.4E-05
629940	4278260	0.0E-05	0.0E-05	1.38E-04	0.0E-05	5.50E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	7.6E-05
629960	4278260	0.0E-05	0.0E-05	1.15E-04	0.0E-05	5.53E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	5.8E-05
629980	4278260	0.0E-05	0.0E-05	9.2E-05	0.0E-05	5.56E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	4.0E-05
630000	4278260	0.0E-05	0.0E-05	6.9E-05	0.0E-05	5.59E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	2.2E-05
630020	4278260	0.0E-05	0.0E-05	4.6E-05	0.0E-05	5.62E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630040	4278260	0.0E-05	0.0E-05	2.3E-05	0.0E-05	5.65E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630060	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	5.68E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630080	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	5.71E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630100	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	5.74E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630120	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	5.77E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630140	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	5.80E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630160	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	5.83E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630180	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	5.86E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630200	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	5.89E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630220	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	5.92E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630240	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	5.95E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630260	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	5.98E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630280	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	6.01E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630300	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	6.04E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630320	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	6.07E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630340	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	6.10E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630360	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	6.13E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630380	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	6.16E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630400	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	6.19E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630420	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	6.22E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630440	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	6.25E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630460	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	6.28E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630480	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	6.31E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630500	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	6.34E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630520	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	6.37E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630540	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	6.40E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630560	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	6.43E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630580	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	6.46E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630600	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	6.49E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630620	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	6.52E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630640	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	6.55E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05
630660	4278260	0.0E-05	0.0E-05	0.0E-05	0.0E-05	6.58E-05	0.0E-06	0.0E-04	0.0E-04	0.0E-04	0.0E-04	0.0E-05

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Camp										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
629420	4278420	1.23E-03	1.05E-03	1.27E-03	8.37E-04	7.02E-05	6.71E-04	1.89E-03	1.92E-03	2.91E-03	2.71E-03	9.54E-04
629440	4278420	1.16E-03	9.88E-04	1.20E-03	7.91E-04	6.63E-05	6.34E-04	1.79E-03	1.81E-03	2.75E-03	2.56E-03	9.01E-04
629460	4278420	1.10E-03	9.37E-04	1.14E-03	7.50E-04	6.29E-05	6.01E-04	1.70E-03	1.72E-03	2.61E-03	2.43E-03	8.55E-04
629180	4278420	1.62E-03	1.38E-03	2.62E-03	1.73E-03	2.15E-05	1.45E-03	3.96E-03	3.66E-03	6.07E-03	5.60E-03	1.78E-03
629200	4278440	2.43E-03	2.07E-03	2.51E-03	1.65E-03	1.38E-04	1.32E-03	3.74E-03	3.78E-03	5.74E-03	5.35E-03	1.89E-03
629220	4278440	2.31E-03	1.97E-03	2.38E-03	1.57E-03	1.32E-04	1.26E-03	3.55E-03	3.60E-03	5.46E-03	5.09E-03	1.79E-03
629240	4278440	2.20E-03	1.87E-03	2.27E-03	1.49E-03	1.25E-04	1.20E-03	3.38E-03	3.42E-03	5.19E-03	4.84E-03	1.70E-03
629260	4278440	2.08E-03	1.76E-03	2.14E-03	1.41E-03	1.18E-04	1.13E-03	3.19E-03	3.23E-03	4.91E-03	4.58E-03	1.61E-03
629280	4278440	1.73E-03	1.47E-03	1.78E-03	1.18E-03	9.86E-05	9.42E-04	2.66E-03	2.69E-03	4.09E-03	3.81E-03	1.34E-03
629340	4278440	1.62E-03	1.38E-03	1.67E-03	1.10E-03	9.25E-05	8.84E-04	2.49E-03	2.52E-03	3.83E-03	3.57E-03	1.26E-03
629360	4278440	1.52E-03	1.29E-03	1.57E-03	1.04E-03	8.68E-05	8.30E-04	2.34E-03	2.37E-03	3.60E-03	3.36E-03	1.18E-03
629380	4278440	1.43E-03	1.22E-03	1.48E-03	9.72E-04	8.15E-05	7.79E-04	2.20E-03	2.23E-03	3.38E-03	3.15E-03	1.11E-03
629400	4278440	1.35E-03	1.14E-03	1.39E-03	9.15E-04	7.67E-05	7.33E-04	2.07E-03	2.09E-03	3.18E-03	2.97E-03	1.04E-03
629420	4278440	1.26E-03	1.07E-03	1.30E-03	8.59E-04	7.21E-05	6.89E-04	1.94E-03	1.97E-03	2.99E-03	2.79E-03	9.80E-04
629440	4278440	1.19E-03	1.01E-03	1.23E-03	8.11E-04	6.80E-05	6.50E-04	1.83E-03	1.86E-03	2.82E-03	2.63E-03	9.24E-04
629460	4278460	2.89E-03	2.46E-03	2.98E-03	1.96E-03	1.65E-04	1.57E-03	4.44E-03	4.50E-03	6.83E-03	6.37E-03	2.24E-03
629180	4278460	2.76E-03	2.34E-03	2.84E-03	1.87E-03	1.57E-04	1.50E-03	4.24E-03	4.29E-03	6.51E-03	6.07E-03	2.14E-03
629200	4278460	2.62E-03	2.23E-03	2.70E-03	1.78E-03	1.49E-04	1.43E-03	4.03E-03	4.08E-03	6.19E-03	5.77E-03	2.03E-03
629220	4278460	2.48E-03	2.11E-03	2.56E-03	1.69E-03	1.41E-04	1.35E-03	3.81E-03	3.86E-03	5.86E-03	5.46E-03	1.92E-03
629240	4278460	2.34E-03	1.99E-03	2.42E-03	1.59E-03	1.33E-04	1.28E-03	3.60E-03	3.64E-03	5.53E-03	5.16E-03	1.81E-03
629260	4278460	2.20E-03	1.87E-03	2.27E-03	1.50E-03	1.26E-04	1.20E-03	3.39E-03	3.43E-03	5.20E-03	4.85E-03	1.71E-03
629280	4278460	1.69E-03	1.43E-03	1.74E-03	1.15E-03	9.62E-05	9.19E-04	2.57E-03	2.63E-03	3.99E-03	3.72E-03	1.31E-03
629360	4278460	1.58E-03	1.34E-03	1.63E-03	1.09E-03	9.42E-05	9.02E-04	2.45E-03	2.51E-03	3.82E-03	3.55E-03	1.25E-03
629380	4278460	1.48E-03	1.25E-03	1.52E-03	1.00E-03	8.41E-05	8.04E-04	2.27E-03	2.30E-03	3.49E-03	3.25E-03	1.14E-03
629400	4278460	1.38E-03	1.18E-03	1.43E-03	9.40E-04	7.88E-05	7.54E-04	2.13E-03	2.15E-03	3.27E-03	3.05E-03	1.07E-03
629420	4278460	1.30E-03	1.10E-03	1.34E-03	8.82E-04	7.39E-05	7.07E-04	1.99E-03	2.02E-03	3.07E-03	2.86E-03	1.01E-03
629180	4278480	2.99E-03	2.54E-03	3.09E-03	2.03E-03	1.71E-04	1.63E-03	4.60E-03	4.66E-03	7.07E-03	6.60E-03	2.32E-03
629200	4278480	2.83E-03	2.40E-03	2.92E-03	1.92E-03	1.61E-04	1.54E-03	4.34E-03	4.40E-03	6.68E-03	6.23E-03	2.19E-03
629220	4278480	2.65E-03	2.26E-03	2.74E-03	1.81E-03	1.52E-04	1.45E-03	4.09E-03	4.14E-03	6.29E-03	5.85E-03	2.06E-03
629240	4278480	2.50E-03	2.12E-03	2.58E-03	1.70E-03	1.42E-04	1.36E-03	3.84E-03	3.89E-03	5.90E-03	5.50E-03	1.93E-03
629260	4278480	2.33E-03	1.98E-03	2.41E-03	1.59E-03	1.33E-04	1.27E-03	3.59E-03	3.63E-03	5.51E-03	5.14E-03	1.81E-03
629280	4278480	2.18E-03	1.85E-03	2.25E-03	1.48E-03	1.24E-04	1.19E-03	3.35E-03	3.39E-03	5.15E-03	4.80E-03	1.69E-03
629360	4278480	1.63E-03	1.39E-03	1.68E-03	1.11E-03	9.30E-05	8.89E-04	2.51E-03	2.54E-03	3.86E-03	3.60E-03	1.26E-03
629380	4278480	1.52E-03	1.29E-03	1.57E-03	1.03E-03	8.67E-05	8.29E-04	2.34E-03	2.37E-03	3.59E-03	3.35E-03	1.18E-03
629400	4278480	1.42E-03	1.21E-03	1.47E-03	9.66E-04	8.10E-05	7.74E-04	2.18E-03	2.21E-03	3.36E-03	3.13E-03	1.10E-03
629200	4278500	3.06E-03	2.60E-03	3.15E-03	2.08E-03	1.74E-04	1.67E-03	4.70E-03	4.76E-03	7.23E-03	6.74E-03	2.37E-03
629220	4278500	2.86E-03	2.43E-03	2.95E-03	1.94E-03	1.63E-04	1.56E-03	4.40E-03	4.45E-03	6.76E-03	6.30E-03	2.22E-03
629240	4278500	2.67E-03	2.26E-03	2.75E-03	1.81E-03	1.52E-04	1.45E-03	4.10E-03	4.15E-03	6.30E-03	5.87E-03	2.06E-03
629260	4278500	2.48E-03	2.10E-03	2.55E-03	1.68E-03	1.41E-04	1.35E-03	3.80E-03	3.85E-03	5.85E-03	5.45E-03	1.92E-03
629280	4278500	2.30E-03	1.95E-03	2.37E-03	1.56E-03	1.31E-04	1.25E-03	3.53E-03	3.57E-03	5.42E-03	5.06E-03	1.78E-03
629300	4278500	2.16E-03	1.80E-03	2.18E-03	1.45E-03	1.21E-04	1.16E-03	3.26E-03	3.31E-03	5.06E-03	4.74E-03	1.65E-03
629380	4278500	1.57E-03	1.33E-03	1.62E-03	1.07E-03	8.93E-05	8.54E-04	2.41E-03	2.44E-03	3.70E-03	3.45E-03	1.21E-03
629220	4278520	3.08E-03	2.61E-03	3.17E-03	2.09E-03	1.75E-04	1.68E-03	4.73E-03	4.79E-03	7.27E-03	6.78E-03	2.38E-03
629240	4278520	2.85E-03	2.42E-03	2.94E-03	1.94E-03	1.62E-04	1.55E-03	4.38E-03	4.43E-03	6.73E-03	6.28E-03	2.21E-03
629260	4278520	2.63E-03	2.23E-03	2.71E-03	1.79E-03	1.50E-04	1.43E-03	4.04E-03	4.09E-03	6.21E-03	5.79E-03	2.04E-03
629280	4278520	2.42E-03	2.05E-03	2.49E-03	1.64E-03	1.38E-04	1.32E-03	3.72E-03	3.76E-03	5.71E-03	5.33E-03	1.87E-03
629300	4278520	2.22E-03	1.88E-03	2.29E-03	1.51E-03	1.26E-04	1.21E-03	3.41E-03	3.45E-03	5.23E-03	4.85E-03	1.72E-03
629320	4278520	2.04E-03	1.73E-03	2.10E-03	1.39E-03	1.16E-04	1.11E-03	3.12E-03	3.17E-03	4.82E-03	4.45E-03	1.56E-03
629340	4278520	1.89E-03	1.60E-03	1.94E-03	1.28E-03	1.07E-04	1.03E-03	2.90E-03	2.93E-03	4.45E-03	4.15E-03	1.46E-03
629240	4278540	3.04E-03	2.59E-03	3.14E-03	2.07E-03	1.73E-04	1.66E-03	4.68E-03	4.74E-03	7.19E-03	6.70E-03	2.36E-03
629260	4278540	2.79E-03	2.37E-03	2.87E-03	1.89E-03	1.59E-04	1.52E-03	4.28E-03	4.34E-03	6.58E-03	6.14E-03	2.16E-03
629280	4278540	2.55E-03	2.16E-03	2.63E-03	1.73E-03	1.45E-04	1.39E-03	3.91E-03	3.96E-03	6.02E-03	5.61E-03	1.97E-03
629300	4278540	2.32E-03	1.97E-03	2.39E-03	1.57E-03	1.32E-04	1.26E-03	3.56E-03	3.60E-03	5.47E-03	5.10E-03	1.79E-03
629320	4278540	2.15E-03	1.80E-03	2.18E-03	1.44E-03	1.21E-04	1.15E-03	3.25E-03	3.29E-03	5.00E-03	4.65E-03	1.64E-03
629340	4278540	1.95E-03	1.65E-03	2.00E-03	1.32E-03	1.11E-04	1.06E-03	2.99E-03	3.02E-03	4.54E-03	4.28E-03	1.51E-03
629360	4278540	1.79E-03	1.52E-03	1.85E-03	1.22E-03	1.02E-04	9.77E-04	2.76E-03	2.79E-03	4.24E-03	3.95E-03	1.39E-03
629260	4278560	2.95E-03	2.51E-03	3.05E-03	2.01E-03	1.68E-04	1.61E-03	4.54E-03	4.60E-03	6.98E-03	6.51E-03	2.29E-03
629280	4278560	2.67E-03	2.27E-03	2.76E-03	1.82E-03	1.52E-04	1.46E-03	4.11E-03	4.16E-03	6.32E-03	5.89E-03	2.07E-03
629300	4278560	2.41E-03	2.05E-03	2.49E-03	1.64E-03	1.38E-04	1.32E-03	3.71E-03	3.76E-03	5.70E-03	5.32E-03	1.87E-03
629320	4278560	2.19E-03	1.87E-03	2.26E-03	1.49E-03	1.25E-04	1.20E-03	3.47E-03	3.52E-03	5.24E-03	4.94E-03	1.71E-03
629340	4278560	2.00E-03	1.70E-03	2.07E-03	1.36E-03	1.14E-04	1.09E-03	3.08E-03	3.12E-03	4.74E-03	4.42E-03	1.55E-03
629360	4278560	1.84E-03	1.57E-03	1.90E-03	1.25E-03	1.05E-04	1.00E-03	2.83E-03	2.87E-03	4.35E-03	4.06E-03	1.43E-03
629280	4278580	2.80E-03	2.38E-03	2.88E-03	1.90E-03	1.59E-04	1.52E-03	4.30E-03	4.35E-03	6.61E-03	6.16E-03	2.17E-03
629300	4278580	2.51E-03	2.13E-03	2.59E-03	1.71E-03	1.43E-04	1.37E-03	3.86E-03	3.91E-03	5.93E-03	5.53E-03	1.95E-03
629320	4278580	2.27E-03	1.93E-03	2.34E-03	1.54E-03	1.29E-04	1.24E-03	3.49E-03	3.53E-03	5.36E-03	5.00E-03	1.76E-03
629340	4278580	1.76E-03	1.51E-03	1.81E-03	1.15E-03	1.10E-04	1.05E-03	3.18E-03	3.23E-03	4.89E-03	4.64E-03	1.58E-03
629360	4278580	2.35E-03	2.00E-03	2.42E-03	1.60E-03	1.34E-04	1.28E-03	3.61E-03	3.66E-03	5.55E-03	5.18E-03	1.82E-03
628480	4278740	6.55E-04	5.57E-04	6.76E-04	4.45E-04	3.73E-05	3.57E-04	1.01E-03	1.02E-03	1.55E-03	1.44E-03	5.08E-04
628500	4278740	7.22E-04	6.14E-04	7.45E-04	4.91E-04	4.12E-05	3.93E-04	1.11E-03	1.12E-03	1.71E-03	1.59E-03	5.60E-04
628460	4278760	6.13E-04	5.21E-04	6.33E-04	4.17E-04	3.50E-05	3.34E-04	9.43E-04	9.55E-04	1.45E-03	1.35E-03	4.75E-04
628480	4278760	6.73E-04	5.72E-04	6.								

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Campuz										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
629760	4278900	5.684	4.834	5.864	3.864	3.245	3.104	8.744	8.854	1.343	1.253	4.404
629820	4278920	4.124	3.504	4.254	2.804	2.354	2.254	6.344	6.424	9.744	9.084	3.194
629880	4278940	4.434	3.774	4.574	3.014	2.534	2.424	6.814	6.934	1.053	9.774	3.444
629940	4278960	4.734	4.074	4.864	3.254	2.734	2.624	7.344	7.464	1.063	10.304	3.794
629980	4278980	5.204	4.424	5.364	3.534	2.964	2.834	7.994	8.094	1.233	11.534	4.034
628400	4278920	5.674	4.824	5.854	3.864	3.235	3.094	8.724	8.834	1.343	1.253	4.394
628420	4278940	6.234	5.304	6.434	4.244	3.554	3.394	9.584	9.704	1.474	1.373	4.834
628440	4278960	6.884	5.854	7.104	4.684	3.924	3.754	1.063	1.073	1.633	1.523	5.334
628460	4278980	7.684	6.524	7.924	5.224	4.384	4.184	1.183	1.193	1.813	1.693	5.934
629740	4278900	5.924	5.034	6.104	4.024	3.374	3.224	9.094	9.214	1.403	1.303	4.584
629760	4278920	5.674	4.824	5.854	3.854	3.235	3.094	8.714	8.824	1.343	1.253	4.394
628320	4278940	4.194	3.564	4.324	2.854	2.394	2.284	6.444	6.524	9.944	9.244	3.254
628340	4278960	4.524	3.844	4.664	3.074	2.574	2.464	6.944	7.034	1.073	9.954	3.504
628360	4278980	4.894	4.164	5.054	3.324	2.794	2.664	7.524	7.614	1.163	1.083	3.794
628380	4278940	5.324	4.524	5.484	3.614	3.034	2.904	8.174	8.274	1.263	1.173	4.124
628400	4278960	5.924	4.944	6.004	3.954	3.324	3.174	8.944	9.054	1.373	1.283	4.514
628420	4278980	6.404	5.444	6.604	4.354	3.654	3.494	9.844	9.964	1.513	1.413	4.964
628440	4278940	7.094	6.024	7.314	4.824	4.044	3.864	1.093	1.103	1.673	1.563	5.494
628460	4278960	7.934	6.744	8.184	5.394	4.524	4.324	1.223	1.233	1.873	1.753	6.144
629740	4278940	5.904	5.014	6.084	4.014	3.364	3.214	9.074	9.184	1.393	1.303	4.574
629760	4278960	5.654	4.804	5.834	3.844	3.224	3.084	8.694	8.804	1.343	1.253	4.384
628100	4279000	2.754	1.924	2.334	1.534	1.294	1.234	3.474	3.514	5.334	4.974	1.314
628120	4279020	2.274	2.014	2.444	1.514	1.354	1.284	3.644	3.684	3.174	2.924	0.814
628140	4279040	2.424	2.174	2.634	1.414	1.244	1.174	3.834	3.874	1.013	9.424	3.754
628160	4279060	4.614	3.924	4.764	3.144	2.634	2.514	7.094	7.184	1.093	1.023	3.574
628180	4279080	5.004	4.254	5.164	3.404	2.854	2.734	7.694	7.794	1.183	1.103	3.884
628200	4279100	5.454	4.634	5.624	3.714	3.114	2.974	8.384	8.494	1.293	1.203	4.224
628220	4279120	5.984	5.084	6.164	4.064	3.404	3.254	9.184	9.344	1.413	1.323	4.634
628240	4279140	6.584	5.594	6.794	4.474	3.754	3.584	1.013	1.023	1.453	1.363	4.804
628260	4279160	7.304	6.214	7.534	4.964	4.164	3.984	1.123	1.143	1.733	1.613	5.664
629720	4278960	6.154	5.234	6.344	4.184	3.514	3.354	9.454	9.574	1.454	1.364	4.774
629740	4278980	5.884	5.004	6.074	4.004	3.354	3.204	9.044	9.154	1.393	1.303	4.564
629760	4278940	5.644	4.794	5.814	3.834	3.214	3.074	8.664	8.774	1.333	1.243	4.374
628100	4278980	2.774	1.934	2.344	1.544	1.294	1.244	3.494	3.544	5.374	5.014	1.764
628120	4279000	2.384	2.034	2.464	1.624	1.364	1.304	3.664	3.714	5.634	5.254	1.854
628140	4279020	2.514	2.134	2.584	1.704	1.434	1.364	3.854	3.904	5.924	5.524	1.944
628160	4279040	2.644	2.244	2.724	1.794	1.504	1.444	4.054	4.104	6.234	5.814	2.044
628180	4279060	2.784	2.374	2.874	1.894	1.594	1.524	4.284	4.334	6.584	6.134	2.164
628200	4279080	4.064	3.454	4.184	2.764	2.314	2.214	6.234	6.314	9.584	8.944	3.144
628220	4279100	4.364	3.714	4.504	2.974	2.494	2.384	6.714	6.794	1.033	9.624	3.384
628240	4279120	4.014	3.364	4.154	2.694	2.214	2.104	7.244	7.324	1.043	10.464	3.744
628260	4279140	5.134	4.364	5.294	3.484	2.924	2.794	7.884	7.984	1.213	1.133	3.974
628280	4279160	5.604	4.764	5.774	3.804	3.194	3.054	8.604	8.714	1.323	1.233	4.344
628400	4278980	6.144	5.214	6.334	4.174	3.504	3.344	9.434	9.554	1.454	1.354	4.754
628420	4278940	6.774	5.754	6.984	4.604	3.864	3.694	1.043	1.053	1.603	1.493	5.284
628440	4278900	7.524	6.394	7.754	5.114	4.284	4.094	1.163	1.173	1.783	1.663	5.824
629720	4278960	6.144	5.224	6.334	4.174	3.504	3.344	9.444	9.564	1.454	1.354	4.764
629740	4278980	5.874	4.954	6.064	3.994	3.324	3.174	9.034	9.144	1.384	1.294	4.544
629760	4278940	5.634	4.784	5.804	3.824	3.214	3.064	8.654	8.754	1.333	1.243	4.364
628100	4279000	2.294	1.954	2.364	1.514	1.254	1.204	3.574	3.624	5.424	5.054	1.784
628120	4279020	2.414	2.054	2.484	1.644	1.374	1.314	3.704	3.754	5.694	5.304	1.864
628140	4279040	2.534	2.154	2.614	1.724	1.444	1.384	3.894	3.944	5.984	5.584	1.964
628160	4279060	2.674	2.274	2.754	1.814	1.524	1.454	4.104	4.154	6.314	5.884	2.074
628180	4279080	2.834	2.414	2.914	1.924	1.614	1.544	4.324	4.374	6.664	6.234	2.184
628200	4279100	2.994	2.544	3.084	2.034	1.704	1.634	4.594	4.654	7.054	6.584	2.314
628220	4279120	3.174	2.694	3.274	2.154	1.814	1.734	4.874	4.934	7.494	6.984	2.464
628240	4279140	3.384	2.874	3.484	2.304	1.924	1.844	5.194	5.264	7.984	7.444	2.624
628260	4279160	4.474	3.804	4.614	3.044	2.554	2.444	6.884	6.964	1.063	9.864	3.474
628280	4279180	4.844	4.114	4.994	3.294	2.764	2.644	7.444	7.534	1.143	1.073	3.754
628300	4279200	4.774	4.044	4.924	3.184	2.654	2.534	7.904	8.004	1.213	1.143	3.864
628320	4279220	5.744	4.884	5.924	3.904	3.274	3.134	8.824	8.944	1.363	1.273	4.454
628340	4279240	6.304	5.354	6.494	4.284	3.594	3.434	9.684	9.804	1.493	1.393	4.884
628400	4279000	6.944	5.904	7.164	4.724	3.964	3.784	1.073	1.083	1.643	1.533	5.384
628420	4279060	7.694	6.544	7.934	5.234	4.384	4.194	1.183	1.203	1.823	1.693	5.964
629700	4279000	6.434	5.464	6.634	4.374	3.664	3.504	9.084	9.194	1.323	1.243	4.984
629720	4279020	5.214	4.394	5.494	3.494	2.954	2.834	7.454	7.564	1.373	1.283	4.374
629740	4279040	5.864	4.984	6.054	3.994	3.344	3.194	9.014	9.134	1.293	1.203	4.544
629760	4279060	5.624	4.774	5.794	3.824	3.204	3.064	8.634	8.744	1.333	1.243	4.354
629780	4279080	5.384	4.584	5.554	3.664	3.074	2.934	8.284	8.384	1.273	1.193	4.174
628100	4279020	2.324	1.974	2.394	1.584	1.324	1.264	3.564	3.614	5.484	5.114	1.804
628120	4279040	2.444	2.074	2.514	1.664	1.394	1.334	3.744	3.794	5.754	5.374	1.894
628140	4279060	2.574	2.184	2.654	1.744	1.464	1.404	3.944	3.994	6.064	5.654	1.994
628160	4279080	2.734	2.344	2.814	1.844	1.554	1.494	4.154	4.204	6.354	5.944	2.094
628180	4279100	2.864	2.434	2.954	1.954	1.644	1.584	4.464	4.514	6.674	6.264	2.204
628200	4279120	3.044	2.584	3.134	2.064	1.734	1.654	4.674	4.724	7.174	6.694	2.354
628220	4279140	3.234	2.744	3.334	2.194	1.844	1.764	4.964	5.024	7.624	7.174	2.504
628240	4279160	3.444	2.934	3.554	2.344	1.964	1.884	5.294	5.364	8.134	7.584	2.674
628260	4279180	4.664	3.994	4.874	3.394	2.684	2.524	6.944	7.074	1.353	1.263	4.634
628280	4279200	5.214	4.504	5.484	3.744	3.034	2.874	7.844	7.964	1.463	1.373	4.944
628300	4279220	5.864	5.044	6.124	4.174	3.464	3.294	8.644	8.764	1.573	1.483	5.254
628320	4279240	6.584	5.694	6.874	4.554	3.744	3.574	9.444	9.564	1.683	1.593	5.564
628340	4279260	7.374	6.294	7.574	5.144	4.284	4.094	1.013	1.023	1.713	1.603	5.874
628360	4279280	8.244	6.964	8.314	5.354	4.484	4.294	1.213	1.223	1.863	1.733	6.104
629840	4279020	6.764	5.744	6.974	4.594	3.854	3.684	1.043	1.053	1.603	1.493	5.244
629700	4279000	6.434	5.474	6.634	4.374	3.674	3.504	9.894	1.003	1.523	1.423	4.984
629720	4279020	6.134	5.214	6.334	4.174	3.504	3.344	9.434	9.554	1.453	1.353	4.754
629740	4279040	5.864	4.984	6.054	3.984	3.344	3.194	9.014	9.124	1.383	1.293	4.544
629760	4											

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Camp										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
628120	4279100	2.6064	2.2140	2.6994	1.7754	1.4865	1.4204	4.0064	4.0554	6.1564	5.7404	2.0254
628140	4279100	2.7564	2.3440	2.8404	1.8754	1.5765	1.5064	4.2364	4.2864	6.5064	6.0704	2.1364
628160	4279100	2.9264	2.4864	3.0164	1.9864	1.6665	1.5964	4.4864	4.5464	6.8964	6.4364	2.2664
628180	4279100	3.1164	2.6964	3.2464	2.1064	1.7665	1.6964	4.7364	4.8064	7.2864	6.7864	2.4064
628200	4279100	3.3264	2.9264	3.4964	2.2464	1.8865	1.7964	5.0064	5.1364	7.6864	7.2664	2.5564
628220	4279100	3.5164	2.9864	3.6264	2.3964	2.0065	1.9164	5.4064	5.4764	8.3064	7.7464	2.7264
628240	4279100	3.7464	3.1464	3.8264	2.5464	2.1265	2.0464	5.8064	5.8764	9.0064	8.3464	2.9064
628260	4279100	4.0064	3.3264	4.0464	2.7064	2.2565	2.1764	6.2064	6.2764	9.7064	9.0464	3.0864
628280	4279100	4.2964	3.5164	4.2664	2.8764	2.3965	2.3164	6.6064	6.6764	10.4064	9.7464	3.2764
628300	4279100	4.6164	3.7264	4.5864	3.0664	2.5465	2.4664	7.0064	7.0764	11.1064	10.4464	3.4764
628320	4279100	4.9664	3.9564	4.9264	3.2764	2.7065	2.6264	7.4064	7.4764	11.8064	11.1464	3.6864
628340	4279100	5.3464	4.2064	5.1864	3.4964	2.8765	2.7964	7.8064	7.8764	12.5064	11.8464	3.8964
628360	4279100	5.7464	4.4764	5.5664	3.7364	3.0565	2.9764	8.2064	8.2764	13.2064	12.5464	4.1064
628380	4279100	6.1664	4.7664	5.9864	3.9864	3.2465	3.1664	8.6064	8.6764	13.9064	13.2464	4.3164
628400	4279100	6.6064	5.0664	6.3264	4.2464	3.4465	3.3664	9.0064	9.0764	14.6064	13.9464	4.5264
628420	4279100	7.0664	5.3864	6.6864	4.5164	3.6565	3.5864	9.4064	9.4764	15.3064	14.6464	4.7364
628440	4279100	7.5464	5.7264	7.0664	4.7964	3.8765	3.8164	9.8064	9.8764	16.0064	15.3464	4.9464
628460	4279100	8.0464	6.0864	7.4664	5.0864	4.1065	4.0464	10.2064	10.2764	16.7064	16.0464	5.1564
628480	4279100	8.5664	6.4664	7.8864	5.3864	4.3465	4.2864	10.6064	10.6764	17.4064	16.7464	5.3664
628500	4279100	9.1064	6.8664	8.3264	5.6964	4.5965	4.5364	11.0064	11.0764	18.1064	17.4464	5.5764
628520	4279100	9.6664	7.2864	8.7864	6.0164	4.8565	4.7864	11.4064	11.4764	18.8064	18.1464	5.7864
628540	4279100	10.2464	7.7264	9.2664	6.3464	5.1265	5.0364	11.8064	11.8764	19.5064	18.8464	5.9964
628560	4279100	10.8464	8.1864	9.7664	6.6864	5.4065	5.3464	12.2064	12.2764	20.2064	19.5464	6.2064
628580	4279100	11.4664	8.6664	10.2864	7.0464	5.6965	5.6664	12.6064	12.6764	20.9064	20.2464	6.4164
628600	4279100	12.1064	9.1664	10.8264	7.4164	6.0065	6.0064	13.0064	13.0764	21.6064	20.9464	6.6264
628620	4279100	12.7664	9.6864	11.3864	7.7964	6.3265	6.3264	13.4064	13.4764	22.3064	21.6464	6.8364
628640	4279100	13.4464	10.2264	11.9664	8.1864	6.6665	6.6664	13.8064	13.8764	23.0064	22.3464	7.0464
628660	4279100	14.1464	10.7864	12.5664	8.5864	7.0265	7.0264	14.2064	14.2764	23.7064	23.0464	7.2564
628680	4279100	14.8664	11.3664	13.1864	9.0064	7.3965	7.3964	14.6064	14.6764	24.4064	23.7464	7.4664
628700	4279100	15.6064	11.9664	13.8264	9.4464	7.7765	7.7764	15.0064	15.0764	25.1064	24.4464	7.6764
628720	4279100	16.3664	12.5864	14.4864	9.9064	8.1665	8.1664	15.4064	15.4764	25.8064	25.1464	7.8864
628740	4279100	17.1464	13.2264	15.1664	10.3864	8.5665	8.5664	15.8064	15.8764	26.5064	25.8464	8.0964
628760	4279100	17.9464	13.8864	15.8664	10.8864	8.9765	8.9764	16.2064	16.2764	27.2064	26.5464	8.3064
628780	4279100	18.7664	14.5664	16.5864	11.4064	9.3965	9.3964	16.6064	16.6764	27.9064	27.2464	8.5164
628800	4279100	19.6064	15.2664	17.3264	11.9464	9.8265	9.8264	17.0064	17.0764	28.6064	27.9464	8.7264
628820	4279100	20.4664	15.9864	18.0864	12.5064	10.2665	10.2664	17.4064	17.4764	29.3064	28.6464	8.9364
628840	4279100	21.3464	16.7264	18.8664	13.0864	10.7165	10.7164	17.8064	17.8764	30.0064	29.3464	9.1464
628860	4279100	22.2464	17.4864	19.6664	13.6864	11.1765	11.1764	18.2064	18.2764	30.7064	30.0464	9.3564
628880	4279100	23.1664	18.2664	20.4864	14.3064	11.6465	11.6464	18.6064	18.6764	31.4064	30.7464	9.5664
628900	4279100	24.1064	19.0664	21.3264	14.9464	12.1265	12.1264	19.0064	19.0764	32.1064	31.4464	9.7764
628920	4279100	25.0664	19.8864	22.1864	15.6064	12.6165	12.6164	19.4064	19.4764	32.8064	32.1464	9.9864
628940	4279100	26.0464	20.7264	23.0664	16.2864	13.1165	13.1164	19.8064	19.8764	33.5064	32.8464	10.1964
628960	4279100	27.0464	21.5864	23.9664	17.0064	13.6265	13.6264	20.2064	20.2764	34.2064	33.5464	10.4064
628980	4279100	28.0664	22.4664	24.8864	17.7464	14.1465	14.1464	20.6064	20.6764	34.9064	34.2464	10.6164
629000	4279100	29.1064	23.3664	25.8264	18.5064	14.6765	14.6764	21.0064	21.0764	35.6064	34.9464	10.8264
629020	4279100	30.1664	24.2864	26.7864	19.2864	15.2165	15.2164	21.4064	21.4764	36.3064	35.6464	11.0364
629040	4279100	31.2464	25.2264	27.7664	20.0864	15.7665	15.7664	21.8064	21.8764	37.0064	36.3464	11.2464
629060	4279100	32.3464	26.1864	28.7664	20.9064	16.3265	16.3264	22.2064	22.2764	37.7064	37.0464	11.4564
629080	4279100	33.4664	27.1664	29.7864	21.7464	16.8965	16.8964	22.6064	22.6764	38.4064	37.7464	11.6664
629100	4279100	34.6064	28.1664	30.8264	22.6064	17.4765	17.4764	23.0064	23.0764	39.1064	38.4464	11.8764
629120	4279100	35.7664	29.1864	31.8864	23.4864	18.0665	18.0664	23.4064	23.4764	39.8064	39.1464	12.0864
629140	4279100	36.9464	30.2264	32.9664	24.3864	18.6665	18.6664	23.8064	23.8764	40.5064	39.8464	12.2964
629160	4279100	38.1464	31.2864	34.0664	25.3064	19.2765	19.2764	24.2064	24.2764	41.2064	40.5464	12.5064
629180	4279100	39.3664	32.3664	35.1864	26.2464	19.8965	19.8964	24.6064	24.6764	41.9064	41.2464	12.7164
629200	4279100	40.6064	33.4664	36.3264	27.2064	20.5265	20.5264	25.0064	25.0764	42.6064	41.9464	12.9264
629220	4279100	41.8664	34.5864	37.4864	28.1864	21.1665	21.1664	25.4064	25.4764	43.3064	42.6464	13.1364
629240	4279100	43.1464	35.7264	38.6664	29.1864	21.8165	21.8164	25.8064	25.8764	44.0064	43.3464	13.3464
629260	4279100	44.4464	36.8864	39.8664	30.2064	22.4765	22.4764	26.2064	26.2764	44.7064	44.0464	13.5564
629280	4279100	45.7664	38.0664	41.0864	31.2464	23.1465	23.1464	26.6064	26.6764	45.4064	44.7464	13.7664
629300	4279100	47.1064	39.2664	42.3264	32.3064	23.8265	23.8264	27.0064	27.0764	46.1064	45.4464	13.9764
629320	4279100	48.4664	40.4864	43.5864	33.3864	24.5165	24.5164	27.4064	27.4764	46.8064	46.1464	14.1864
629340	4279100	49.8464	41.7264	44.8664	34.4864	25.2165	25.2164	27.8064	27.8764	47.5064	46.8464	14.3964
629360	4279100	51.2464	42.9864	46.1664	35.6064	25.9265	25.9264	28.2064	28.2764	48.2064	47.5464	14.6064
629380	4279100	52.6664	44.2664	47.4864	36.7464	26.6465	26.6464	28.6064	28.6764	48.9064	48.2464	14.8164
629400	4279100	54.1064	45.5664	48.8264	37.9064	27.3765	27.3764	29.0064	29.0764	49.6064	48.9464	15.0264
629420	4279100	55.5664	46.8864	50.1864	39.0864	28.1165	28.1164	29.4064	29.4764	50.3064	49.6464	15.2364
629440	4279100	57.0464	48.2264	51.5664	40.2864	28.8665	28.8664	29.8064	29.8764	51.0064	50.3464	15.4464
629460	4279100	58.5464	49.5864	52.9664	41.5064	29.6265	29.6264	30.2064	30.2764	51.7064	51.0464	15.6564
629480	4279100	60.0664	50.9664	54.3864	42.7464	30.3965	30.3964	30.6064	30.6764	52.4064	51.7464	15.8664
629500	4279100	61.6064	52.3664	55.8264	44.0064	31.1765	31.1764	31.0064	31.0764	53.1064	52.4464	16.0764
629520	4279100	63.1664	53.7864	57.2864	45.2864	31.9665	31.9664	31.4064	31.4764	53.8064	53.1464	16.2864
629540	4279100	64.7464	55.2264	58.7664	46.5864	32.7665	32.7664	31.8064	31.8764	54.5064	53.8464	16.4964
629560	4279100	66.3464	56.6864	60.2664	47.9064	33.5765	33.5764	32.2064	32.2764	55.2064	54.5464	16.7064
629580	4279100	67.9664	58.1664	61.7864	49.2664	34.3965	34.3964	32.6064	32.6764	55.9064	55.2464	16.9164
629600	4279100	69.6064	59.6664	63.3264	50.6464	35.2265	35.2264	33.0064	33.0764	56.6064	55.9464	17.1264
629620	4279100	71.2664	61.1864	64.8864	52.0464	36.0665	36.0664	33.4064	33.4764	57.3064	56.6464	17.3364
629640	4279100	72.9464	62.7264	66.4664	53.4664	36.9165	36.9164	33.8064	33.8764	58.		

Diesel Particulate Matter concentration, C_{PM10} (ug/m³)

X (UTM)	Y (UTM)	CNU Camp										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
629540	4279280	1.04E-03	8.80E-04	1.07E-03	7.04E-04	5.90E-05	5.64E-04	1.59E-03	1.61E-03	2.45E-03	2.28E-03	8.02E-04
629560	4279280	9.77E-04	8.30E-04	1.01E-03	6.64E-04	5.57E-05	5.32E-04	1.50E-03	1.52E-03	2.31E-03	2.15E-03	7.57E-04
629580	4279280	9.23E-04	7.84E-04	9.52E-04	6.27E-04	5.26E-05	5.03E-04	1.42E-03	1.44E-03	2.18E-03	2.03E-03	7.15E-04
629600	4279280	8.71E-04	7.31E-04	8.99E-04	5.71E-04	4.70E-05	4.47E-04	1.36E-03	1.38E-03	2.05E-03	1.90E-03	6.78E-04
629620	4279280	8.25E-04	7.01E-04	8.51E-04	5.61E-04	4.70E-05	4.49E-04	1.27E-03	1.28E-03	1.95E-03	1.82E-03	6.39E-04
629640	4279280	7.82E-04	6.64E-04	8.06E-04	5.31E-04	4.45E-05	4.26E-04	1.20E-03	1.22E-03	1.85E-03	1.72E-03	6.05E-04
629660	4279280	1.09E-03	9.29E-04	1.13E-03	7.43E-04	6.23E-05	5.96E-04	1.68E-03	1.70E-03	2.58E-03	2.41E-03	8.47E-04
629680	4279280	1.03E-03	8.77E-04	1.06E-03	7.02E-04	5.88E-05	5.62E-04	1.59E-03	1.61E-03	2.44E-03	2.27E-03	8.00E-04
629700	4279280	9.75E-04	8.29E-04	1.01E-03	6.63E-04	5.56E-05	5.31E-04	1.50E-03	1.52E-03	2.30E-03	2.15E-03	7.56E-04
629720	4279280	9.23E-04	7.83E-04	9.51E-04	6.27E-04	5.26E-05	5.02E-04	1.42E-03	1.43E-03	2.18E-03	2.03E-03	7.14E-04
629740	4279280	8.72E-04	7.41E-04	8.99E-04	5.93E-04	4.97E-05	4.75E-04	1.34E-03	1.36E-03	2.06E-03	1.92E-03	6.76E-04
629760	4279280	8.26E-04	7.02E-04	8.51E-04	5.61E-04	4.70E-05	4.50E-04	1.27E-03	1.28E-03	1.95E-03	1.82E-03	6.40E-04
629780	4279280	7.82E-04	6.65E-04	8.07E-04	5.32E-04	4.46E-05	4.26E-04	1.20E-03	1.22E-03	1.85E-03	1.72E-03	6.06E-04
629800	4279280	7.42E-04	6.31E-04	7.66E-04	5.05E-04	4.23E-05	4.04E-04	1.14E-03	1.16E-03	1.75E-03	1.64E-03	5.75E-04
629820	4279280	1.09E-03	9.25E-04	1.12E-03	7.40E-04	6.20E-05	5.93E-04	1.67E-03	1.69E-03	2.57E-03	2.40E-03	8.43E-04
629840	4279280	1.03E-03	8.74E-04	1.06E-03	6.99E-04	5.86E-05	5.60E-04	1.58E-03	1.60E-03	2.43E-03	2.27E-03	7.97E-04
629860	4279280	9.73E-04	8.27E-04	1.00E-03	6.61E-04	5.54E-05	5.30E-04	1.50E-03	1.51E-03	2.30E-03	2.14E-03	7.54E-04
629880	4279280	9.20E-04	7.82E-04	9.49E-04	6.25E-04	5.24E-05	5.01E-04	1.41E-03	1.43E-03	2.17E-03	2.03E-03	7.13E-04
629900	4279280	8.72E-04	7.41E-04	8.99E-04	5.92E-04	4.97E-05	4.75E-04	1.34E-03	1.36E-03	2.06E-03	1.92E-03	6.75E-04
629920	4279280	8.26E-04	7.02E-04	8.52E-04	5.61E-04	4.71E-05	4.50E-04	1.27E-03	1.28E-03	1.95E-03	1.82E-03	6.40E-04
629940	4279280	7.83E-04	6.65E-04	8.08E-04	5.32E-04	4.46E-05	4.27E-04	1.20E-03	1.22E-03	1.85E-03	1.73E-03	6.07E-04
629960	4279280	7.43E-04	6.32E-04	7.67E-04	5.05E-04	4.24E-05	4.05E-04	1.14E-03	1.16E-03	1.76E-03	1.64E-03	5.76E-04
629980	4279280	7.00E-04	6.02E-04	7.37E-04	4.70E-04	4.02E-05	3.83E-04	1.09E-03	1.10E-03	1.69E-03	1.56E-03	5.45E-04
629700	4279300	6.72E-04	5.71E-04	7.02E-04	4.57E-04	3.83E-05	3.66E-04	1.03E-03	1.05E-03	1.59E-03	1.48E-03	5.20E-04
629720	4279300	1.08E-03	9.19E-04	1.12E-03	7.35E-04	6.17E-05	5.89E-04	1.66E-03	1.68E-03	2.56E-03	2.38E-03	8.38E-04
629740	4279300	1.02E-03	8.71E-04	1.06E-03	6.96E-04	5.84E-05	5.58E-04	1.57E-03	1.59E-03	2.42E-03	2.26E-03	7.94E-04
629760	4279300	9.70E-04	8.24E-04	1.00E-03	6.59E-04	5.53E-05	5.28E-04	1.49E-03	1.51E-03	2.29E-03	2.14E-03	7.51E-04
629780	4279300	9.19E-04	7.81E-04	9.48E-04	6.25E-04	5.24E-05	5.01E-04	1.41E-03	1.43E-03	2.17E-03	2.02E-03	7.12E-04
629800	4279300	8.71E-04	7.40E-04	8.99E-04	5.93E-04	4.96E-05	4.74E-04	1.34E-03	1.36E-03	2.06E-03	1.92E-03	6.75E-04
629820	4279300	8.26E-04	7.02E-04	8.52E-04	5.61E-04	4.71E-05	4.50E-04	1.27E-03	1.29E-03	1.95E-03	1.82E-03	6.40E-04
629840	4279300	7.84E-04	6.66E-04	8.08E-04	5.33E-04	4.47E-05	4.27E-04	1.20E-03	1.22E-03	1.85E-03	1.73E-03	6.07E-04
629860	4279300	7.44E-04	6.32E-04	7.68E-04	5.06E-04	4.24E-05	4.05E-04	1.14E-03	1.16E-03	1.76E-03	1.64E-03	5.77E-04
629880	4279300	7.07E-04	6.01E-04	7.29E-04	4.81E-04	4.03E-05	3.85E-04	1.09E-03	1.10E-03	1.67E-03	1.56E-03	5.48E-04
629900	4279300	6.73E-04	5.72E-04	6.94E-04	4.57E-04	3.83E-05	3.67E-04	1.03E-03	1.05E-03	1.59E-03	1.48E-03	5.21E-04
629920	4279300	6.41E-04	5.45E-04	6.61E-04	4.36E-04	3.65E-05	3.49E-04	9.85E-04	9.98E-04	1.51E-03	1.41E-03	4.97E-04
629940	4279300	6.11E-04	5.19E-04	6.30E-04	4.15E-04	3.48E-05	3.32E-04	9.39E-04	9.51E-04	1.44E-03	1.35E-03	4.74E-04
629960	4279300	5.83E-04	4.96E-04	6.02E-04	3.97E-04	3.32E-05	3.18E-04	8.97E-04	9.08E-04	1.38E-03	1.29E-03	4.52E-04
629980	4279300	1.07E-03	9.13E-04	1.11E-03	7.31E-04	6.13E-05	5.85E-04	1.65E-03	1.67E-03	2.54E-03	2.37E-03	8.33E-04
629540	4279360	1.02E-03	8.66E-04	1.05E-03	6.93E-04	5.81E-05	5.57E-04	1.57E-03	1.59E-03	2.41E-03	2.25E-03	7.90E-04
629560	4279360	9.67E-04	8.21E-04	9.97E-04	6.57E-04	5.51E-05	5.27E-04	1.49E-03	1.50E-03	2.28E-03	2.13E-03	7.49E-04
629580	4279360	9.15E-04	7.79E-04	9.45E-04	6.27E-04	5.26E-05	5.02E-04	1.42E-03	1.43E-03	2.18E-03	2.03E-03	7.15E-04
629600	4279360	8.70E-04	7.39E-04	8.97E-04	5.91E-04	4.96E-05	4.74E-04	1.34E-03	1.35E-03	2.05E-03	1.92E-03	6.74E-04
629620	4279360	8.25E-04	7.01E-04	8.51E-04	5.61E-04	4.70E-05	4.49E-04	1.27E-03	1.28E-03	1.95E-03	1.82E-03	6.39E-04
629640	4279360	7.84E-04	6.66E-04	8.08E-04	5.33E-04	4.47E-05	4.27E-04	1.20E-03	1.22E-03	1.85E-03	1.73E-03	6.07E-04
629660	4279360	7.45E-04	6.33E-04	7.68E-04	5.06E-04	4.24E-05	4.06E-04	1.14E-03	1.16E-03	1.76E-03	1.64E-03	5.77E-04
629680	4279360	7.08E-04	6.02E-04	7.31E-04	4.81E-04	4.04E-05	3.86E-04	1.09E-03	1.10E-03	1.67E-03	1.56E-03	5.49E-04
629700	4279360	6.74E-04	5.73E-04	6.94E-04	4.58E-04	3.84E-05	3.67E-04	1.04E-03	1.05E-03	1.59E-03	1.49E-03	5.24E-04
629720	4279360	6.43E-04	5.46E-04	6.62E-04	4.37E-04	3.62E-05	3.49E-04	1.00E-03	1.01E-03	1.47E-03	1.38E-03	4.98E-04
629740	4279360	6.13E-04	5.21E-04	6.32E-04	4.16E-04	3.49E-05	3.34E-04	9.41E-04	9.53E-04	1.45E-03	1.35E-03	4.75E-04
629760	4279360	5.85E-04	4.97E-04	6.03E-04	3.97E-04	3.33E-05	3.19E-04	8.99E-04	9.10E-04	1.38E-03	1.29E-03	4.53E-04
629780	4279360	1.07E-03	9.07E-04	1.10E-03	7.25E-04	6.08E-05	5.81E-04	1.64E-03	1.66E-03	2.52E-03	2.35E-03	8.27E-04
629800	4279360	1.01E-03	8.61E-04	1.05E-03	6.89E-04	5.82E-05	5.52E-04	1.56E-03	1.58E-03	2.39E-03	2.23E-03	7.85E-04
629820	4279360	9.62E-04	8.18E-04	9.92E-04	6.54E-04	5.48E-05	5.24E-04	1.48E-03	1.50E-03	2.27E-03	2.12E-03	7.46E-04
629840	4279360	9.15E-04	7.79E-04	9.45E-04	6.27E-04	5.26E-05	5.02E-04	1.42E-03	1.43E-03	2.18E-03	2.03E-03	7.14E-04
629860	4279360	8.68E-04	7.37E-04	8.95E-04	5.90E-04	4.94E-05	4.73E-04	1.33E-03	1.35E-03	2.05E-03	1.91E-03	6.72E-04
629880	4279360	8.24E-04	7.00E-04	8.50E-04	5.60E-04	4.70E-05	4.49E-04	1.27E-03	1.28E-03	1.95E-03	1.82E-03	6.39E-04
629900	4279360	7.84E-04	6.66E-04	8.08E-04	5.33E-04	4.46E-05	4.27E-04	1.20E-03	1.22E-03	1.85E-03	1.73E-03	6.07E-04
629920	4279360	7.45E-04	6.33E-04	7.68E-04	5.06E-04	4.25E-05	4.06E-04	1.15E-03	1.16E-03	1.76E-03	1.64E-03	5.77E-04
629940	4279360	7.09E-04	6.03E-04	7.31E-04	4.82E-04	4.04E-05	3.86E-04	1.09E-03	1.10E-03	1.68E-03	1.56E-03	5.49E-04
629960	4279360	6.73E-04	5.74E-04	6.95E-04	4.59E-04	3.85E-05	3.67E-04	1.04E-03	1.05E-03	1.49E-03	1.40E-03	5.05E-04
629980	4279360	6.44E-04	5.47E-04	6.64E-04	4.38E-04	3.67E-05	3.51E-04	9.90E-04	1.00E-03	1.52E-03	1.42E-03	4.99E-04
629700	4279380	6.14E-04	5.22E-04	6.33E-04	4.17E-04	3.50E-05	3.34E-04	9.44E-04	9.56E-04	1.45E-03	1.35E-03	4.74E-04
629720	4279380	1.06E-03	8.99E-04	1.09E-03	7.19E-04	6.03E-05	5.77E-04	1.63E-03	1.65E-03	2.50E-03	2.33E-03	8.20E-04
629740	4279380	1.01E-03	8.56E-04	1.04E-03	6.84E-04	5.74E-05	5.48E-04	1.55E-03	1.57E-03	2.38E-03	2.22E-03	7.80E-04
629760	4279380	9.57E-04	8.14E-04	9.87E-04	6.51E-04	5.46E-05	5.21E-04	1.47E-03	1.49E-03	2.26E-03	2.11E-03	7.42E-04
629780	4279380	9.15E-04	7.79E-04	9.45E-04	6.27E-04	5.26E-05	5.02E-04	1.42E-03	1.43E-03	2.18E-03	2.03E-03	7.15E-04
629800	4279380	8.65E-04	7.35E-04	8.92E-04	5.88E-04	4.93E-05	4.71E-04	1.33E-03	1.35E-03	2.04E-03	1.91E-03	6.70E-04
629820	4279380	8.23E-04	6.99E-04	8.49E-04	5.59E-04	4.69E-05	4.48E-04	1.26E-03	1.28E-03	1.94E-03	1.81E-03	6.37E-04
629840	4279380	7.83E-04	6.65E-04	8.07E-04	5.32E-04	4.46E-05	4.26E-04	1.20E-03	1.22E-03	1.85E-03	1.72E-03	6.06E-04
629860	4279380	7.45E-04	6.33E-04	7.68E-04	5.06E-04	4.25E-05	4.06E-04	1.14E-03	1.16E-03	1.76E-03	1.64E-03	5.77E-04
629880	4279380	7.10E-04	6.03E-04									

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Camp										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
629140	427940	1.08E-03	9.17E-04	1.11E-03	7.33E-04	6.15E-05	5.88E-04	1.66E-03	1.68E-03	2.55E-03	2.38E-03	8.36E-04
629160	427940	1.08E-03	9.20E-04	1.12E-03	7.36E-04	6.17E-05	5.90E-04	1.66E-03	1.69E-03	2.56E-03	2.39E-03	8.40E-04
629180	427940	1.08E-03	9.22E-04	1.12E-03	7.37E-04	6.18E-05	5.91E-04	1.67E-03	1.69E-03	2.56E-03	2.39E-03	8.40E-04
629200	427940	1.04E-03	9.21E-04	1.12E-03	7.37E-04	6.18E-05	5.91E-04	1.67E-03	1.69E-03	2.56E-03	2.39E-03	8.40E-04
629220	427940	1.08E-03	9.19E-04	1.12E-03	7.35E-04	6.16E-05	5.89E-04	1.66E-03	1.68E-03	2.55E-03	2.38E-03	8.38E-04
629240	427940	1.08E-03	9.15E-04	1.11E-03	7.32E-04	6.13E-05	5.86E-04	1.65E-03	1.68E-03	2.54E-03	2.37E-03	8.34E-04
629260	427940	1.07E-03	9.09E-04	1.10E-03	7.27E-04	6.09E-05	5.83E-04	1.64E-03	1.66E-03	2.53E-03	2.36E-03	8.29E-04
629280	427940	1.06E-03	9.01E-04	1.09E-03	7.21E-04	6.04E-05	5.78E-04	1.63E-03	1.65E-03	2.50E-03	2.34E-03	8.21E-04
629300	427940	1.05E-03	8.92E-04	1.08E-03	7.13E-04	5.98E-05	5.72E-04	1.61E-03	1.63E-03	2.48E-03	2.31E-03	8.13E-04
629320	427940	1.04E-03	8.80E-04	1.07E-03	7.04E-04	5.90E-05	5.64E-04	1.59E-03	1.61E-03	2.45E-03	2.28E-03	8.03E-04
629340	427940	1.02E-03	8.68E-04	1.05E-03	6.94E-04	5.82E-05	5.56E-04	1.57E-03	1.59E-03	2.41E-03	2.25E-03	7.91E-04
629360	427940	1.00E-03	8.54E-04	1.04E-03	6.83E-04	5.72E-05	5.47E-04	1.54E-03	1.56E-03	2.37E-03	2.21E-03	7.78E-04
629380	427940	9.87E-04	8.39E-04	1.02E-03	6.71E-04	5.62E-05	5.38E-04	1.52E-03	1.54E-03	2.33E-03	2.17E-03	7.65E-04
629400	427940	9.68E-04	8.23E-04	9.98E-04	6.58E-04	5.52E-05	5.27E-04	1.49E-03	1.51E-03	2.29E-03	2.13E-03	7.50E-04
629420	427940	9.48E-04	8.06E-04	9.78E-04	6.44E-04	5.40E-05	5.16E-04	1.46E-03	1.48E-03	2.24E-03	2.09E-03	7.35E-04
629440	427940	9.39E-04	7.99E-04	9.21E-04	6.07E-04	5.09E-05	4.88E-04	1.37E-03	1.39E-03	2.11E-03	1.97E-03	6.92E-04
629460	427940	9.11E-04	7.74E-04	9.39E-04	6.19E-04	5.19E-05	4.96E-04	1.40E-03	1.42E-03	2.15E-03	2.01E-03	7.06E-04
629480	427940	9.28E-04	7.89E-04	9.57E-04	6.31E-04	5.29E-05	5.05E-04	1.43E-03	1.44E-03	2.19E-03	2.04E-03	7.19E-04
629500	427940	9.45E-04	8.03E-04	9.74E-04	6.42E-04	5.38E-05	5.15E-04	1.45E-03	1.47E-03	2.23E-03	2.08E-03	7.32E-04
629520	427940	9.61E-04	8.17E-04	9.91E-04	6.53E-04	5.48E-05	5.24E-04	1.48E-03	1.50E-03	2.27E-03	2.12E-03	7.45E-04
629540	427940	9.77E-04	8.30E-04	1.01E-03	6.64E-04	5.57E-05	5.32E-04	1.50E-03	1.52E-03	2.31E-03	2.15E-03	7.57E-04
629560	427940	9.91E-04	8.42E-04	1.02E-03	6.74E-04	5.65E-05	5.40E-04	1.52E-03	1.54E-03	2.34E-03	2.18E-03	7.68E-04
629580	427940	1.00E-03	8.54E-04	1.04E-03	6.85E-04	5.73E-05	5.48E-04	1.54E-03	1.56E-03	2.37E-03	2.21E-03	7.78E-04
629600	427940	1.02E-03	8.63E-04	1.05E-03	6.91E-04	5.79E-05	5.54E-04	1.55E-03	1.58E-03	2.40E-03	2.24E-03	7.87E-04
629620	427940	1.03E-03	8.72E-04	1.06E-03	6.98E-04	5.85E-05	5.59E-04	1.58E-03	1.60E-03	2.43E-03	2.26E-03	7.95E-04
629640	427940	1.04E-03	8.79E-04	1.07E-03	7.03E-04	5.90E-05	5.64E-04	1.59E-03	1.61E-03	2.45E-03	2.28E-03	8.02E-04
629660	427940	1.04E-03	8.85E-04	1.07E-03	7.08E-04	5.94E-05	5.67E-04	1.60E-03	1.62E-03	2.46E-03	2.30E-03	8.07E-04
629680	427940	1.05E-03	8.89E-04	1.08E-03	7.11E-04	5.96E-05	5.70E-04	1.61E-03	1.63E-03	2.47E-03	2.30E-03	8.10E-04
629700	427940	1.05E-03	8.91E-04	1.08E-03	7.13E-04	5.97E-05	5.71E-04	1.61E-03	1.63E-03	2.48E-03	2.31E-03	8.12E-04
629720	427940	1.05E-03	8.90E-04	1.08E-03	7.12E-04	5.97E-05	5.70E-04	1.61E-03	1.63E-03	2.47E-03	2.31E-03	8.11E-04
629740	427940	1.04E-03	8.86E-04	1.08E-03	7.09E-04	5.94E-05	5.68E-04	1.60E-03	1.62E-03	2.46E-03	2.30E-03	8.08E-04
629760	427940	1.04E-03	8.81E-04	1.07E-03	7.05E-04	5.91E-05	5.65E-04	1.60E-03	1.61E-03	2.45E-03	2.29E-03	8.04E-04
629780	427940	1.03E-03	8.75E-04	1.06E-03	7.00E-04	5.87E-05	5.61E-04	1.58E-03	1.60E-03	2.43E-03	2.27E-03	7.97E-04
629800	427940	1.02E-03	8.66E-04	1.05E-03	6.93E-04	5.81E-05	5.55E-04	1.57E-03	1.59E-03	2.41E-03	2.25E-03	7.90E-04
629820	427940	1.01E-03	8.56E-04	1.04E-03	6.85E-04	5.74E-05	5.49E-04	1.55E-03	1.57E-03	2.38E-03	2.22E-03	7.80E-04
629840	427940	9.94E-04	8.45E-04	1.03E-03	6.76E-04	5.66E-05	5.41E-04	1.53E-03	1.55E-03	2.35E-03	2.19E-03	7.70E-04
629860	427940	9.79E-04	8.32E-04	1.01E-03	6.65E-04	5.58E-05	5.33E-04	1.50E-03	1.52E-03	2.31E-03	2.16E-03	7.59E-04
629880	427940	9.63E-04	8.19E-04	9.93E-04	6.54E-04	5.49E-05	5.25E-04	1.48E-03	1.50E-03	2.27E-03	2.12E-03	7.46E-04
629900	427940	9.46E-04	8.03E-04	9.75E-04	6.43E-04	5.39E-05	5.15E-04	1.45E-03	1.47E-03	2.23E-03	2.08E-03	7.32E-04
629920	427940	9.28E-04	7.85E-04	9.56E-04	6.28E-04	5.28E-05	5.02E-04	1.42E-03	1.44E-03	2.19E-03	2.04E-03	7.18E-04
629940	427940	9.10E-04	7.65E-04	9.36E-04	6.10E-04	5.14E-05	4.84E-04	1.38E-03	1.40E-03	2.14E-03	2.00E-03	7.03E-04
629960	427940	8.92E-04	7.43E-04	9.15E-04	5.92E-04	5.03E-05	4.65E-04	1.34E-03	1.36E-03	2.09E-03	1.95E-03	6.87E-04
629980	427940	8.74E-04	7.20E-04	8.94E-04	5.70E-04	4.92E-05	4.47E-04	1.29E-03	1.31E-03	2.03E-03	1.89E-03	6.70E-04
630000	427940	8.56E-04	6.96E-04	8.72E-04	5.48E-04	4.80E-05	4.29E-04	1.24E-03	1.26E-03	1.97E-03	1.83E-03	6.52E-04
630020	427940	8.38E-04	6.71E-04	8.49E-04	5.26E-04	4.69E-05	4.11E-04	1.19E-03	1.21E-03	1.91E-03	1.77E-03	6.34E-04
630040	427940	8.20E-04	6.45E-04	8.26E-04	5.04E-04	4.58E-05	3.93E-04	1.14E-03	1.16E-03	1.85E-03	1.71E-03	6.16E-04
630060	427940	8.02E-04	6.19E-04	8.03E-04	4.82E-04	4.47E-05	3.75E-04	1.09E-03	1.11E-03	1.79E-03	1.65E-03	5.98E-04
630080	427940	7.84E-04	5.93E-04	7.77E-04	4.60E-04	4.36E-05	3.57E-04	1.04E-03	1.06E-03	1.73E-03	1.59E-03	5.80E-04
630100	427940	7.66E-04	5.67E-04	7.59E-04	4.38E-04	4.25E-05	3.39E-04	9.9E-04	1.01E-03	1.67E-03	1.53E-03	5.62E-04
630120	427940	7.48E-04	5.41E-04	7.41E-04	4.16E-04	4.14E-05	3.21E-04	9.4E-04	9.6E-04	1.61E-03	1.47E-03	5.44E-04
630140	427940	7.30E-04	5.15E-04	7.23E-04	3.94E-04	4.03E-05	3.03E-04	8.9E-04	9.1E-04	1.55E-03	1.41E-03	5.26E-04
630160	427940	7.12E-04	4.89E-04	7.05E-04	3.72E-04	3.92E-05	2.85E-04	8.4E-04	8.6E-04	1.49E-03	1.35E-03	5.08E-04
630180	427940	6.94E-04	4.63E-04	6.87E-04	3.50E-04	3.81E-05	2.67E-04	7.9E-04	8.1E-04	1.43E-03	1.29E-03	4.90E-04
630200	427940	6.76E-04	4.37E-04	6.69E-04	3.28E-04	3.70E-05	2.49E-04	7.4E-04	7.6E-04	1.37E-03	1.23E-03	4.72E-04
630220	427940	6.58E-04	4.11E-04	6.51E-04	3.06E-04	3.59E-05	2.31E-04	6.9E-04	7.1E-04	1.31E-03	1.17E-03	4.54E-04
630240	427940	6.40E-04	3.85E-04	6.33E-04	2.84E-04	3.48E-05	2.13E-04	6.4E-04	6.6E-04	1.25E-03	1.11E-03	4.36E-04
630260	427940	6.22E-04	3.59E-04	6.15E-04	2.62E-04	3.37E-05	1.95E-04	5.9E-04	6.1E-04	1.19E-03	1.05E-03	4.18E-04
630280	427940	6.04E-04	3.33E-04	5.97E-04	2.40E-04	3.26E-05	1.77E-04	5.4E-04	5.8E-04	1.13E-03	9.9E-04	4.00E-04
630300	427940	5.86E-04	3.07E-04	5.79E-04	2.18E-04	3.15E-05	1.59E-04	4.9E-04	5.5E-04	1.07E-03	9.3E-04	3.82E-04
630320	427940	5.68E-04	2.81E-04	5.61E-04	1.96E-04	3.04E-05	1.41E-04	4.4E-04	5.2E-04	1.01E-03	8.7E-04	3.64E-04
630340	427940	5.50E-04	2.55E-04	5.43E-04	1.74E-04	2.93E-05	1.23E-04	3.9E-04	4.9E-04	9.5E-04	8.1E-04	3.46E-04
630360	427940	5.32E-04	2.29E-04	5.25E-04	1.52E-04	2.82E-05	1.05E-04	3.4E-04	4.6E-04	8.9E-04	7.5E-04	3.28E-04
630380	427940	5.14E-04	2.03E-04	5.07E-04	1.30E-04	2.71E-05	8.7E-05	2.9E-04	4.3E-04	8.3E-04	6.9E-04	3.10E-04
630400	427940	4.96E-04	1.77E-04	4.89E-04	1.08E-04	2.60E-05	6.9E-05	2.4E-04	4.0E-04	7.7E-04	6.3E-04	2.92E-04
630420	427940	4.78E-04	1.51E-04	4.71E-04	8.6E-05	2.49E-05	5.1E-05	1.9E-04	3.7E-04	7.1E-04	5.7E-04	2.74E-04
630440	427940	4.60E-04	1.25E-04	4.53E-04	6.4E-05	2.38E-05	3.3E-05	1.4E-04	3.4E-04	6.5E-04	5.1E-04	2.56E-04
630460	427940	4.42E-04	9.9E-05	4.35E-04	4.2E-05	2.27E-05	1.5E-05	9E-05	3.1E-04	5.9E-04	4.5E-04	2.38E-04
630480	427940	4.24E-04	7.3E-05	4.17E-04	2.0E-05	2.16E-05	-1.1E-05	4E-05	2.8E-04	5.3E-04	3.9E-04	2.20E-04
630500	427940	4.06E-04	4.7E-05	4.0E-04	-2.2E-05	2.05E-05	-2.3E-05	-6E-05	2.5E-04	4.7E-04	3.3E-04	2.02E-04
630520	427940	3.88E-04	2.1E-05	3.82E-04	-4.4E-05	1.94E-05	-4.5E-05	-1.0E-04	2.2E-04	4.1E-04	2.7E-04	1.84E-04
630540	427940	3.70E-04	-5.1E-05	3.64E-04	-6.6E-05	1.83E-05	-6.6E-05	-1.4E-04	1.9E-04	3.5E-04	2.1E-04	1.66E-04
630560	427940	3.52E-04	-2.7E-05	3.								

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Camp										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
629300	4279840	9.10E-04	7.73E-04	9.38E-04	6.18E-04	5.19E-05	4.96E-04	1.40E-03	1.42E-03	2.15E-03	2.00E-03	7.05E-04
629320	4279840	9.03E-04	7.73E-04	9.31E-04	6.13E-04	5.14E-05	4.92E-04	1.39E-03	1.40E-03	2.13E-03	1.99E-03	6.99E-04
629340	4279840	8.94E-04	7.60E-04	9.22E-04	6.08E-04	5.09E-05	4.87E-04	1.37E-03	1.37E-03	2.11E-03	1.97E-03	6.93E-04
629360	4279840	8.84E-04	7.51E-04	9.12E-04	6.01E-04	5.04E-05	4.82E-04	1.36E-03	1.38E-03	2.09E-03	1.95E-03	6.85E-04
628920	4279860	7.52E-04	6.39E-04	7.76E-04	5.11E-04	4.29E-05	4.10E-04	1.16E-03	1.17E-03	1.78E-03	1.66E-03	5.83E-04
628940	4279860	7.66E-04	6.51E-04	7.90E-04	5.21E-04	4.37E-05	4.17E-04	1.18E-03	1.19E-03	1.81E-03	1.69E-03	5.94E-04
628960	4279860	7.81E-04	6.63E-04	8.05E-04	5.30E-04	4.45E-05	4.25E-04	1.20E-03	1.21E-03	1.84E-03	1.72E-03	6.05E-04
628980	4279860	7.94E-04	6.75E-04	8.19E-04	5.40E-04	4.53E-05	4.33E-04	1.22E-03	1.24E-03	1.88E-03	1.75E-03	6.15E-04
629000	4279860	8.08E-04	6.86E-04	8.33E-04	5.49E-04	4.60E-05	4.40E-04	1.24E-03	1.26E-03	1.91E-03	1.78E-03	6.26E-04
629020	4279860	8.21E-04	6.98E-04	8.47E-04	5.58E-04	4.68E-05	4.47E-04	1.26E-03	1.28E-03	1.94E-03	1.81E-03	6.36E-04
629040	4279860	8.34E-04	7.08E-04	8.60E-04	5.66E-04	4.75E-05	4.54E-04	1.28E-03	1.30E-03	1.97E-03	1.84E-03	6.46E-04
629060	4279860	8.45E-04	7.18E-04	8.72E-04	5.74E-04	4.82E-05	4.60E-04	1.30E-03	1.32E-03	2.00E-03	1.86E-03	6.55E-04
629080	4279860	8.56E-04	7.27E-04	8.83E-04	5.82E-04	4.88E-05	4.66E-04	1.32E-03	1.33E-03	2.02E-03	1.89E-03	6.63E-04
629100	4279860	8.66E-04	7.36E-04	8.93E-04	5.89E-04	4.93E-05	4.72E-04	1.33E-03	1.35E-03	2.05E-03	1.91E-03	6.71E-04
629120	4279860	8.74E-04	7.43E-04	9.02E-04	5.94E-04	4.98E-05	4.76E-04	1.34E-03	1.36E-03	2.07E-03	1.93E-03	6.77E-04
629140	4279860	8.82E-04	7.50E-04	9.10E-04	6.00E-04	5.02E-05	4.80E-04	1.35E-03	1.37E-03	2.08E-03	1.94E-03	6.83E-04
629160	4279860	8.88E-04	7.54E-04	9.15E-04	6.03E-04	5.06E-05	4.84E-04	1.36E-03	1.38E-03	2.10E-03	1.96E-03	6.88E-04
629180	4279860	8.92E-04	7.58E-04	9.20E-04	6.06E-04	5.08E-05	4.86E-04	1.37E-03	1.39E-03	2.11E-03	1.97E-03	6.91E-04
629200	4279860	8.95E-04	7.60E-04	9.23E-04	6.08E-04	5.10E-05	4.87E-04	1.38E-03	1.39E-03	2.11E-03	1.97E-03	6.93E-04
629220	4279860	8.96E-04	7.61E-04	9.24E-04	6.09E-04	5.10E-05	4.88E-04	1.38E-03	1.39E-03	2.12E-03	1.97E-03	6.94E-04
629240	4279860	8.95E-04	7.61E-04	9.23E-04	6.09E-04	5.10E-05	4.88E-04	1.38E-03	1.39E-03	2.12E-03	1.97E-03	6.94E-04
629260	4279860	8.94E-04	7.59E-04	9.21E-04	6.07E-04	5.09E-05	4.87E-04	1.37E-03	1.39E-03	2.11E-03	1.97E-03	6.92E-04
629280	4279860	8.90E-04	7.55E-04	9.18E-04	6.05E-04	5.07E-05	4.85E-04	1.37E-03	1.39E-03	2.10E-03	1.96E-03	6.90E-04
629300	4279860	8.85E-04	7.52E-04	9.13E-04	6.02E-04	5.04E-05	4.82E-04	1.36E-03	1.38E-03	2.09E-03	1.95E-03	6.88E-04
629320	4279860	8.79E-04	7.47E-04	9.06E-04	5.97E-04	5.01E-05	4.79E-04	1.35E-03	1.37E-03	2.08E-03	1.94E-03	6.81E-04
629340	4279860	8.71E-04	7.40E-04	8.98E-04	5.92E-04	4.96E-05	4.74E-04	1.34E-03	1.36E-03	2.06E-03	1.92E-03	6.75E-04
628920	4279880	7.28E-04	6.19E-04	7.51E-04	4.95E-04	4.15E-05	3.97E-04	1.12E-03	1.13E-03	1.72E-03	1.60E-03	5.64E-04
628940	4279880	7.42E-04	6.30E-04	7.65E-04	5.04E-04	4.23E-05	4.04E-04	1.14E-03	1.15E-03	1.75E-03	1.63E-03	5.75E-04
628960	4279880	6.82E-04	5.74E-04	7.06E-04	4.31E-04	4.11E-05	3.93E-04	1.15E-03	1.16E-03	1.78E-03	1.66E-03	5.85E-04
628980	4279880	7.09E-04	6.03E-04	7.39E-04	5.23E-04	4.38E-05	4.19E-04	1.18E-03	1.20E-03	1.82E-03	1.69E-03	5.96E-04
629000	4279880	7.82E-04	6.64E-04	8.06E-04	5.31E-04	4.46E-05	4.26E-04	1.20E-03	1.22E-03	1.85E-03	1.72E-03	6.06E-04
629020	4279880	7.95E-04	6.75E-04	8.19E-04	5.40E-04	4.53E-05	4.33E-04	1.22E-03	1.24E-03	1.88E-03	1.75E-03	6.16E-04
629040	4279880	8.07E-04	6.85E-04	8.32E-04	5.48E-04	4.60E-05	4.39E-04	1.24E-03	1.26E-03	1.91E-03	1.78E-03	6.25E-04
629060	4279880	8.18E-04	6.95E-04	8.44E-04	5.56E-04	4.66E-05	4.46E-04	1.26E-03	1.27E-03	1.93E-03	1.80E-03	6.34E-04
629080	4279880	8.28E-04	7.04E-04	8.54E-04	5.63E-04	4.72E-05	4.51E-04	1.27E-03	1.29E-03	1.96E-03	1.83E-03	6.42E-04
629100	4279880	8.39E-04	7.12E-04	8.65E-04	5.70E-04	4.78E-05	4.57E-04	1.29E-03	1.30E-03	1.98E-03	1.85E-03	6.50E-04
629120	4279880	8.47E-04	7.20E-04	8.73E-04	5.76E-04	4.83E-05	4.61E-04	1.30E-03	1.32E-03	2.00E-03	1.87E-03	6.56E-04
629140	4279880	8.54E-04	7.26E-04	8.81E-04	5.80E-04	4.87E-05	4.65E-04	1.31E-03	1.33E-03	2.02E-03	1.88E-03	6.62E-04
629160	4279880	8.60E-04	7.31E-04	8.87E-04	5.85E-04	4.90E-05	4.69E-04	1.32E-03	1.34E-03	2.03E-03	1.90E-03	6.66E-04
629180	4279880	8.65E-04	7.35E-04	8.92E-04	5.88E-04	4.93E-05	4.71E-04	1.33E-03	1.35E-03	2.04E-03	1.91E-03	6.70E-04
629200	4279880	8.68E-04	7.37E-04	8.95E-04	5.90E-04	4.94E-05	4.73E-04	1.33E-03	1.35E-03	2.05E-03	1.91E-03	6.72E-04
629220	4279880	8.69E-04	7.39E-04	8.96E-04	5.91E-04	4.95E-05	4.74E-04	1.34E-03	1.35E-03	2.05E-03	1.92E-03	6.73E-04
629240	4279880	8.68E-04	7.38E-04	8.95E-04	5.90E-04	4.95E-05	4.73E-04	1.33E-03	1.35E-03	2.05E-03	1.91E-03	6.72E-04
629260	4279880	8.65E-04	7.35E-04	8.92E-04	5.88E-04	4.93E-05	4.71E-04	1.33E-03	1.35E-03	2.04E-03	1.91E-03	6.70E-04
629280	4279880	8.61E-04	7.32E-04	8.88E-04	5.85E-04	4.91E-05	4.69E-04	1.32E-03	1.34E-03	2.03E-03	1.90E-03	6.67E-04
629300	4279880	8.55E-04	7.27E-04	8.82E-04	5.81E-04	4.87E-05	4.65E-04	1.31E-03	1.33E-03	2.02E-03	1.89E-03	6.63E-04
628920	4279900	6.89E-04	5.80E-04	7.12E-04	4.59E-04	3.79E-05	3.84E-04	1.08E-03	1.09E-03	1.57E-03	1.45E-03	4.75E-04
628940	4279900	7.18E-04	6.10E-04	7.41E-04	4.88E-04	4.09E-05	3.91E-04	1.10E-03	1.12E-03	1.70E-03	1.58E-03	5.57E-04
628960	4279900	7.32E-04	6.22E-04	7.55E-04	4.97E-04	4.17E-05	3.99E-04	1.12E-03	1.14E-03	1.73E-03	1.61E-03	5.67E-04
628980	4279900	7.45E-04	6.33E-04	7.68E-04	5.06E-04	4.24E-05	4.06E-04	1.14E-03	1.16E-03	1.76E-03	1.64E-03	5.77E-04
629000	4279900	7.57E-04	6.43E-04	7.81E-04	5.15E-04	4.31E-05	4.12E-04	1.16E-03	1.18E-03	1.79E-03	1.67E-03	5.87E-04
629020	4279900	7.69E-04	6.54E-04	7.93E-04	5.23E-04	4.38E-05	4.19E-04	1.18E-03	1.20E-03	1.82E-03	1.69E-03	5.96E-04
629040	4279900	7.81E-04	6.64E-04	8.06E-04	5.31E-04	4.45E-05	4.25E-04	1.20E-03	1.22E-03	1.85E-03	1.72E-03	6.05E-04
629060	4279900	7.92E-04	6.73E-04	8.17E-04	5.38E-04	4.51E-05	4.32E-04	1.22E-03	1.23E-03	1.87E-03	1.75E-03	6.14E-04
629080	4279900	8.03E-04	6.82E-04	8.28E-04	5.45E-04	4.57E-05	4.37E-04	1.23E-03	1.25E-03	1.90E-03	1.77E-03	6.22E-04
629100	4279900	8.12E-04	6.90E-04	8.38E-04	5.52E-04	4.63E-05	4.42E-04	1.25E-03	1.26E-03	1.92E-03	1.79E-03	6.29E-04
629120	4279900	8.21E-04	6.97E-04	8.46E-04	5.58E-04	4.68E-05	4.47E-04	1.26E-03	1.28E-03	1.94E-03	1.81E-03	6.36E-04
629140	4279900	8.28E-04	7.04E-04	8.54E-04	5.63E-04	4.72E-05	4.51E-04	1.27E-03	1.29E-03	1.96E-03	1.82E-03	6.41E-04
629160	4279900	8.34E-04	7.09E-04	8.60E-04	5.67E-04	4.75E-05	4.54E-04	1.28E-03	1.30E-03	1.97E-03	1.84E-03	6.46E-04
629180	4279900	8.39E-04	7.12E-04	8.65E-04	5.70E-04	4.78E-05	4.57E-04	1.29E-03	1.30E-03	1.98E-03	1.85E-03	6.50E-04
629200	4279900	8.42E-04	7.15E-04	8.68E-04	5.72E-04	4.80E-05	4.59E-04	1.29E-03	1.31E-03	1.99E-03	1.85E-03	6.52E-04
629220	4279900	8.44E-04	7.17E-04	8.70E-04	5.73E-04	4.81E-05	4.60E-04	1.30E-03	1.31E-03	1.99E-03	1.86E-03	6.54E-04
629240	4279900	8.44E-04	7.17E-04	8.70E-04	5.73E-04	4.81E-05	4.60E-04	1.30E-03	1.31E-03	1.99E-03	1.86E-03	6.54E-04
629260	4279900	8.41E-04	7.15E-04	8.68E-04	5.72E-04	4.79E-05	4.58E-04	1.29E-03	1.31E-03	1.99E-03	1.85E-03	6.52E-04
629280	4279900	8.38E-04	7.12E-04	8.64E-04	5.69E-04	4.77E-05	4.56E-04	1.29E-03	1.30E-03	1.98E-03	1.85E-03	6.49E-04
628920	4279920	6.84E-04	5.81E-04	7.05E-04	4.65E-04	3.90E-05	3.72E-04	1.05E-03	1.06E-03	1.62E-03	1.51E-03	5.30E-04
628940	4279920	6.96E-04	5.92E-04	7.18E-04	4.73E-04	3.97E-05	3.79E-04	1.07E-03	1.08E-03	1.64E-03	1.53E-03	5.39E-04
628960	4279920	7.09E-04	6.02E-04	7.31E-04	4.82E-04	4.04E-05	3.86E-04	1.09E-03	1.10E-03	1.67E-03	1.56E-03	5.49E-04
628980	4279920	7.21E-04	6.13E-04	7.44E-04	4.90E-04	4.11E-05	3.93E-04	1.11E-03	1.12E-03	1.70E-03	1.59E-03	5.59E-04
629000	4279920	7.34E-04	6.23E-04	7.57E-04	4.99E-04	4.18E-05	4.00E-04	1.13E-03	1.14E-03	1.73E-03	1.62E-03	5.68E-04
629020	4279920	7.46E-04	6.33E-04	7.6								

C3-3 Cancer Risk Calculations (Combine CNU and PUD)

Innovation Park PUD
Innovation Park with CNU

Unmitigated Innovation Park w/ CNU Construction Cancer Risk Calculations for Residential Child Receptor

Table with columns: Construction Emissions, as applied to AERMOD results. Includes sub-tables for Innovation Park Construction and CNU. Columns include Year, Start Date, Stop Date, 3rd Trimester, O-2, 2x16, Duration, Unmitigated DPM (tons/g/s), and Unmitigated DPM (tons/g/s).

Risk Factors

Table with columns: Abbreviation, UDM, 3rd Trimester, O-2, 2x16. Rows include Daily Breathing Rate (95th %ile), Fraction of Time at Home, Exposure Frequency, Age Sensitivity Factor, Inhalation Absorption Factor, Conversion Factor, Conversion Factor, Cancer Potency Factor (diesel exhaust), and Averaging Time (for residential exposure).

Table with columns: Year, Equation, 3rd Trimester, O-2, 2x16. Rows include years 2022 through 2038. Includes a sub-table for Risk Calculation Part 1, R1.

Table with columns: X (UTM), Y (UTM), 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038. This is a large grid of numerical values representing cancer risk calculations.

Table with columns: 3rd Trimester, O-2, 2x16. Rows include years 2022 through 2038. This is a sub-table for Risk Calculation Part 1, R1.

Table with columns: 3rd Trimester, O-2, 2x16. Rows include years 2022 through 2038. This is a sub-table for Risk Calculation Part 2.

Table with columns: 3rd Trimester, O-2, 2x16. Rows include years 2022 through 2038. This is a sub-table for Risk Calculation Part 2.

Table with columns: 3rd Trimester, O-2, 2x16. Rows include years 2022 through 2038. This is a sub-table for Risk Calculation Part 2.

Table with columns: 3rd Trimester, O-2, 2x16. Rows include years 2022 through 2038. This is a sub-table for Risk Calculation Part 2.

Table with columns: 3rd Trimester, O-2, 2x16. Rows include years 2022 through 2038. This is a sub-table for Risk Calculation Part 2.

Table with columns: Max, UTM X, UTM Y. Rows include values 33.72, 629240, 427840.

Table with columns: 3rd Trimester, O-2, 2x16, Total, per mill, Receptor Determination. Rows include years 2022 through 2038.

Diesel Particulate Matter concentration, C_{PM10} (µg/m³)

Table with columns for X (UMT), Y (UMT), and years 2002-2038. It contains a grid of numerical data representing Diesel Particulate Matter concentration for various locations and years.

Risk Calculation Part 2

Table with columns for Risk Category (e.g., 3rd Trimester, 4th Trimester, etc.), Cancer Risk, and Receptor Determination. It contains a grid of numerical data representing risk calculations for various locations and years.

Diesel Particulate Matter concentration, C₅₀₀ (µg/m³)

Y (UMT)		Innovation Park - CMU														Risk Calculation Part 2				Cancer Risk	Receptor Determination				
Y (UMT)	Y (TUMT)	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			2020	2021	2022	2023	2024
629700	429350	3.01E-02	1.77E-02	1.72E-02	1.14E-02	1.66E-03	1.17E-02	1.93E-02	1.94E-02	6.99E-03	5.79E-03	3.32E-03	1.60E-03	3.21E-03	1.23E-03	9.76E-04	9.78E-04	1.04E-03	1.40E-03	1.40E-03	1.40E-03	1.40E-03	1.40E-03	1.40E-03	1.40E-03
629710	429360	2.88E-02	1.68E-02	1.63E-02	1.08E-02	1.72E-03	1.60E-02	1.87E-02	1.84E-02	6.01E-03	5.47E-03	2.95E-03	1.51E-03	3.02E-03	1.14E-03	9.17E-04	9.18E-04	9.80E-04	1.31E-03	1.31E-03	1.31E-03	1.31E-03	1.31E-03	1.31E-03	1.31E-03
629720	429370	2.69E-02	1.59E-02	1.54E-02	1.02E-02	1.67E-03	1.60E-02	1.71E-02	1.74E-02	6.06E-03	5.51E-03	2.79E-03	1.41E-03	2.84E-03	1.08E-03	8.63E-04	8.64E-04	9.22E-04	1.24E-03	1.24E-03	1.24E-03	1.24E-03	1.24E-03	1.24E-03	1.24E-03
629730	429380	2.51E-02	1.47E-02	1.42E-02	9.72E-03	1.58E-03	1.60E-02	1.66E-02	1.69E-02	6.07E-03	5.49E-03	2.66E-03	1.36E-03	2.81E-03	1.05E-03	8.18E-04	8.19E-04	8.74E-04	1.19E-03	1.19E-03	1.19E-03	1.19E-03	1.19E-03	1.19E-03	1.19E-03
629740	429390	2.35E-02	1.38E-02	1.33E-02	9.24E-03	1.55E-03	1.60E-02	1.62E-02	1.65E-02	6.08E-03	5.42E-03	2.53E-03	1.31E-03	2.76E-03	1.02E-03	7.94E-04	7.95E-04	8.46E-04	1.16E-03	1.16E-03	1.16E-03	1.16E-03	1.16E-03	1.16E-03	1.16E-03
629750	429400	2.19E-02	1.29E-02	1.24E-02	8.76E-03	1.52E-03	1.60E-02	1.58E-02	1.61E-02	6.09E-03	5.35E-03	2.40E-03	1.26E-03	2.71E-03	1.00E-03	7.69E-04	7.70E-04	8.16E-04	1.13E-03	1.13E-03	1.13E-03	1.13E-03	1.13E-03	1.13E-03	1.13E-03
629760	429410	2.04E-02	1.20E-02	1.15E-02	8.48E-03	1.49E-03	1.60E-02	1.55E-02	1.58E-02	6.10E-03	5.29E-03	2.29E-03	1.21E-03	2.66E-03	9.80E-04	7.44E-04	7.45E-04	7.96E-04	1.10E-03	1.10E-03	1.10E-03	1.10E-03	1.10E-03	1.10E-03	1.10E-03
629770	429420	1.89E-02	1.11E-02	1.06E-02	8.20E-03	1.46E-03	1.60E-02	1.50E-02	1.53E-02	6.11E-03	5.20E-03	2.18E-03	1.16E-03	2.61E-03	9.50E-04	7.29E-04	7.30E-04	7.76E-04	1.08E-03	1.08E-03	1.08E-03	1.08E-03	1.08E-03	1.08E-03	1.08E-03
629780	429430	1.74E-02	1.02E-02	9.70E-03	8.02E-03	1.43E-03	1.60E-02	1.45E-02	1.48E-02	6.12E-03	5.11E-03	2.07E-03	1.11E-03	2.56E-03	9.20E-04	7.08E-04	7.09E-04	7.50E-04	1.06E-03	1.06E-03	1.06E-03	1.06E-03	1.06E-03	1.06E-03	1.06E-03
629790	429440	1.59E-02	9.10E-03	8.60E-03	7.84E-03	1.40E-03	1.60E-02	1.38E-02	1.41E-02	6.13E-03	5.00E-03	1.96E-03	1.06E-03	2.51E-03	8.90E-04	6.96E-04	6.97E-04	7.32E-04	1.04E-03	1.04E-03	1.04E-03	1.04E-03	1.04E-03	1.04E-03	1.04E-03
629800	429450	1.44E-02	8.20E-03	7.70E-03	7.56E-03	1.37E-03	1.60E-02	1.33E-02	1.36E-02	6.14E-03	4.89E-03	1.85E-03	1.01E-03	2.46E-03	8.60E-04	6.74E-04	6.75E-04	7.04E-04	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03
629810	429460	1.29E-02	7.30E-03	6.80E-03	7.42E-03	1.34E-03	1.60E-02	1.28E-02	1.31E-02	6.15E-03	4.78E-03	1.74E-03	9.70E-04	2.41E-03	8.30E-04	6.54E-04	6.55E-04	6.79E-04	1.00E-03	1.00E-03	1.00E-03	1.00E-03	1.00E-03	1.00E-03	1.00E-03
629820	429470	1.14E-02	6.40E-03	5.90E-03	7.34E-03	1.31E-03	1.60E-02	1.23E-02	1.26E-02	6.16E-03	4.67E-03	1.63E-03	9.40E-04	2.36E-03	8.00E-04	6.38E-04	6.39E-04	6.58E-04	9.80E-04	9.80E-04	9.80E-04	9.80E-04	9.80E-04	9.80E-04	9.80E-04
629830	429480	1.00E-02	5.50E-03	5.00E-03	7.28E-03	1.28E-03	1.60E-02	1.18E-02	1.21E-02	6.17E-03	4.56E-03	1.52E-03	9.10E-04	2.31E-03	7.70E-04	6.16E-04	6.17E-04	6.31E-04	9.60E-04	9.60E-04	9.60E-04	9.60E-04	9.60E-04	9.60E-04	9.60E-04
629840	429490	8.50E-03	4.60E-03	4.10E-03	7.22E-03	1.25E-03	1.60E-02	1.13E-02	1.16E-02	6.18E-03	4.45E-03	1.41E-03	8.80E-04	2.26E-03	7.40E-04	5.90E-04	5.91E-04	6.01E-04	9.40E-04	9.40E-04	9.40E-04	9.40E-04	9.40E-04	9.40E-04	9.40E-04
629850	429500	7.00E-03	3.70E-03	3.20E-03	7.16E-03	1.22E-03	1.60E-02	1.08E-02	1.11E-02	6.19E-03	4.34E-03	1.30E-03	8.50E-04	2.21E-03	7.10E-04	5.60E-04	5.61E-04	5.67E-04	9.20E-04	9.20E-04	9.20E-04	9.20E-04	9.20E-04	9.20E-04	9.20E-04
629860	429510	5.50E-03	2.80E-03	2.30E-03	7.10E-03	1.19E-03	1.60E-02	1.03E-02	1.06E-02	6.20E-03	4.23E-03	1.19E-03	8.20E-04	2.16E-03	6.80E-04	5.40E-04	5.41E-04	5.44E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04	8.90E-04
629870	429520	4.00E-03	1.90E-03	1.40E-03	7.04E-03	1.16E-03	1.60E-02	9.80E-03	1.01E-02	6.21E-03	4.12E-03	1.08E-03	7.90E-04	2.11E-03	6.50E-04	5.10E-04	5.11E-04	5.14E-04	8.70E-04	8.70E-04	8.70E-04	8.70E-04	8.70E-04	8.70E-04	8.70E-04
629880	429530	2.50E-03	1.00E-03	500E-04	7.00E-03	1.13E-03	1.60E-02	9.20E-03	9.50E-03	6.22E-03	4.01E-03	9.60E-04	7.60E-04	2.06E-03	6.20E-04	4.80E-04	4.81E-04	4.84E-04	8.50E-04	8.50E-04	8.50E-04	8.50E-04	8.50E-04	8.50E-04	8.50E-04
629890	429540	1.00E-03	400E-04	300E-04	6.96E-03	1.10E-03	1.60E-02	8.60E-03	8.90E-03	6.23E-03	3.90E-03	9.30E-04	7.40E-04	2.01E-03	6.00E-04	4.60E-04	4.61E-04	4.64E-04	8.30E-04	8.30E-04	8.30E-04	8.30E-04	8.30E-04	8.30E-04	8.30E-04
629900	429550	400E-04	150E-04	100E-04	6.92E-03	1.07E-03	1.60E-02	8.00E-03	8.30E-03	6.24E-03	3.80E-03	9.00E-04	7.20E-04	1.96E-03	5.90E-04	4.50E-04	4.51E-04	4.54E-04	8.10E-04	8.10E-04	8.10E-04	8.10E-04	8.10E-04	8.10E-04	8.10E-04
629910	429560	150E-04	50E-04	0E-04	6.88E-03	1.04E-03	1.60E-02	7.40E-03	7.70E-03	6.25E-03	3.70E-03	8.70E-04	6.90E-04	1.91E-03	5.80E-04	4.40E-04	4.41E-04	4.44E-04	7.90E-04	7.90E-04	7.90E-04	7.90E-04	7.90E-04	7.90E-04	7.90E-04
629920	429570	50E-04	20E-04	0E-04	6.84E-03	1.01E-03	1.60E-02	6.80E-03	7.10E-03	6.26E-03	3.60E-03	8.40E-04	6.60E-04	1.86E-03	5.70E-04	4.30E-04	4.31E-04	4.34E-04	7.70E-04	7.70E-04	7.70E-04	7.70E-04	7.70E-04	7.70E-04	7.70E-04
629930	429580	20E-04	10E-04	0E-04	6.80E-03	9.8E-04	1.60E-02	6.20E-03	6.50E-03	6.27E-03	3.50E-03	8.10E-04	6.30E-04	1.81E-03	5.60E-04	4.20E-04	4.21E-04	4.24E-04	7.50E-04	7.50E-04	7.50E-04	7.50E-04	7.50E-04	7.50E-04	7.50E-04
629940	429590	10E-04	5E-04	0E-04	6.76E-03	9.5E-04	1.60E-02	5.60E-03	5.90E-03	6.28E-03	3.40E-03	7.80E-04	6.00E-04	1.76E-03	5.50E-04	4.10E-04	4.11E-04	4.14E-04	7.30E-04	7.30E-04	7.30E-04	7.30E-04	7.30E-04	7.30E-04	7.30E-04
629950	429600	5E-04	2E-04	0E-04	6.72E-03	9.2E-04	1.60E-02	5.00E-03	5.30E-03	6.29E-03	3.30E-03	7.50E-04	5.70E-04	1.71E-03	5.40E-04	4.00E-04	4.01E-04	4.04E-04	7.10E-04	7.10E-04	7.10E-04	7.10E-04	7.10E-04	7.10E-04	7.10E-04
629960	429610	2E-04	1E-04	0E-04	6.68E-03	8.9E-04	1.60E-02	4.40E-03	4.70E-03	6.30E-03	3.20E-03	7.20E-04	5.40E-04	1.66E-03	5.30E-04	3.90E-04	3.91E-04	3.94E-04	6.90E-04	6.90E-04	6.90E-04	6.90E-04	6.90E-04	6.90E-04	6.90E-04
629970	429620	1E-04	5E-05	0E-05	6.64E-03	8.6E-04	1.60E-02	3.80E-03	4.10E-03	6.31E-03	3.10E-03	6.90E-04	5.10E-04	1.61E-03	5.20E-04	3.80E-04	3.81E-04	3.84E-04	6.70E-04	6.70E-04	6.70E-04	6.70E-04	6.70E-04	6.70E-04	6.70E-04
629980	429630	5E-05	2E-05	0E-05	6.60E-03	8.3E-04	1.60E-02	3.20E-03	3.50E-03	6.32E-03	3.00E-03	6.60E-04	4.90E-04	1.56E-03	5.10E-04	3.70E-04	3.71E-04	3.74E-04	6.50E-04	6.50E-04	6.50E-04	6.50E-04	6.50E-04	6.50E-04	6.50E-04
629990	429640	2E-05	1E-05	0E-05	6.56E-03	8.0E-04	1.60E-02	2.60E-03	2.90E-03	6.33E-03	2.90E-03	6.30E-04	4.60E-04	1.51E-03	5.00E-04	3.60E-04	3.61E-04	3.64E-04	6.30E-04	6.30E-04	6.30E-04	6.30E-04	6.30E-04	6.30E-04	6.30E-04
630000	429650	1E-05	5E-06	0E-06	6.52E-03	7.7E-04	1.60E-02	2.00E-03	2.30E-03	6.34E-03	2.80E-03	6.00E-04	4.30E-04	1.46E-03	4.90E-04	3.50E-04	3.51E-04	3.54E-04	6.10E-04	6.10E-04	6.10E-04	6.10E-04	6.10E-04	6.10E-04	6.10E-04
630010	429660	5E-06	2E-06	0E-06	6.48E-03	7.4E-04	1.60E-02	1.40E-03	1.70E-03	6.35E-03	2.70E-03	5.70E-04	4.00E-04	1.41E-03	4.80E-04	3.40E-04	3.41E-04	3.44E-04	5.90E-04	5.90E-04	5.90E-04	5.90E-04	5.90E-04	5.90E-04	5.90E-04
630020	429670	2E-06	1E-06	0E-06	6.44E-03	7.1E-04	1.60E-02	800E-04	1.00E-03	6.36E-03	2.60E-03	5.40E-04	3.70E-04	1.36E-03	4.70E-04	3.30E-04	3.31E-04	3.34E-04	5.70E-04	5.70E-04	5.70E-04	5.70E-04	5.70E-04	5.70E-04	5.70E-04
630030	429680	1E-06	5E-07	0E-07	6.40E-03	6.8E-04	1.60E-02	600E-04	600E-04	6.37E-03	2.50E-03	5.10E-04	3.40E-04	1.31E-03	4.60E-04	3.20E-04	3.21E-04	3.24E-04	5.50E-04	5.50E-04	5.50E-04	5.50E-04	5.50E-04	5.50E-04	5.50E-04
630040	429690	5E-07	2E-07	0E-07	6.36E-03	6.5E-04	1.60E-02	400E-04	400E-04	6.38E-03	2.40E-03	4.80E-04	3.10E-04	1.26E-03	4.50E-04	3.10E-04	3.11E-04	3.14E-04	5.30E-04	5.30E-04	5.30E-04	5.30E-04	5.30E-04	5.30E-04	5.30E-04
630050	429700	2E-07	1E-07	0E-07	6.32E-03	6.2E-04	1.60E-02	200E-04	200E-04	6.39E-03	2.30E-03	4.50E-													

Diesel Particulate Matter concentration, C_{PM10} (µg/m³)

Table with columns for X (UMT), Y (UMT), and years 2002-2028. It contains a grid of numerical values representing Diesel Particulate Matter concentration for various locations and years.

Risk Calculation Part 2

Table with columns for 3RD Case, 4TH Case, 5TH Case, 6TH Case, 7TH Case, 8TH Case, 9TH Case, 10TH Case, 11TH Case, 12TH Case, 13TH Case, 14TH Case, 15TH Case, 16TH Case, 17TH Case, 18TH Case, 19TH Case, 20TH Case, 21ST Case, 22ND Case, 23RD Case, 24TH Case, 25TH Case, 26TH Case, 27TH Case, 28TH Case, 29TH Case, 30TH Case, 31ST Case, 32ND Case, 33RD Case, 34TH Case, 35TH Case, 36TH Case, 37TH Case, 38TH Case, 39TH Case, 40TH Case, 41ST Case, 42ND Case, 43RD Case, 44TH Case, 45TH Case, 46TH Case, 47TH Case, 48TH Case, 49TH Case, 50TH Case, 51ST Case, 52ND Case, 53RD Case, 54TH Case, 55TH Case, 56TH Case, 57TH Case, 58TH Case, 59TH Case, 60TH Case, 61ST Case, 62ND Case, 63RD Case, 64TH Case, 65TH Case, 66TH Case, 67TH Case, 68TH Case, 69TH Case, 70TH Case, 71ST Case, 72ND Case, 73RD Case, 74TH Case, 75TH Case, 76TH Case, 77TH Case, 78TH Case, 79TH Case, 80TH Case, 81ST Case, 82ND Case, 83RD Case, 84TH Case, 85TH Case, 86TH Case, 87TH Case, 88TH Case, 89TH Case, 90TH Case, 91ST Case, 92ND Case, 93RD Case, 94TH Case, 95TH Case, 96TH Case, 97TH Case, 98TH Case, 99TH Case, 100TH Case. It contains a grid of numerical values representing risk calculations for various locations and cases.

Innovation Park PUD

Innovation Park with CNU

Mitigated Innovation Park w/ CNU Construction Cancer Risk Calculations for Residential Child Receptor

Table with columns: Construction Emissions, as applied to AERMOD results, Year, Start Date, Stop Date, 3rd Trimester, Days, 2c16, Duration, Mitigated DPM (tons, g/s), and CNU (tons, g/s).

Risk Factors

Table with columns: Abatement, UDM, 3rd Trimester, Dc2, 2c16, and values for various factors like Daily Breathing Rate, Fraction of Time at Home, etc.

Intake Factor for Inhalation, If (m³/hg-day)

Table with columns: Year, Equation, 3rd Trimester, Dc2, 2c16, and values for years 2022-2038.

Risk Calculation Part 1, R1

Table with columns: 3rd Trimester, Dc2, 2c16, and values for years 2022-2038.

Diesel Particulate Matter concentration, C_{PM10} (ug/m³)

Large table with columns: X (UTM), Y (UTM), Year, 2022-2038, and values for Diesel Particulate Matter concentration.

Risk Calculation Part 2

Table with columns: 3rd Trimester, Dc2, 2c16, Cancer Risk per million, and Receptor Determination for years 2022-2038.

Diesel Particulate Matter concentration, C_{50μ} (ug/m³)

X (UTM)	Y (UTM)	Innovation Park + CNU																	
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	
629260	427880	2.00E-03	1.98E-03	1.46E-03	1.16E-03	7.69E-04	1.12E-03	1.90E-03	1.92E-03	2.77E-03	2.56E-03	3.02E-03	5.63E-04	7.07E-04	6.49E-04	5.66E-04	5.65E-04	3.38E-04	
629280	427880	1.98E-03	1.37E-03	1.45E-03	1.15E-03	7.60E-04	1.11E-03	1.88E-03	1.90E-03	2.75E-03	2.54E-03	3.01E-03	5.56E-04	6.98E-04	6.41E-04	5.59E-04	5.58E-04	3.34E-04	
629300	427880	1.96E-03	1.36E-03	1.44E-03	1.14E-03	7.50E-04	1.10E-03	1.87E-03	1.89E-03	2.73E-03	2.52E-03	2.99E-03	5.48E-04	6.88E-04	6.32E-04	5.51E-04	5.50E-04	3.29E-04	
629320	427880	1.94E-03	1.34E-03	1.43E-03	1.12E-03	7.39E-04	1.08E-03	1.85E-03	1.87E-03	2.71E-03	2.50E-03	2.97E-03	5.40E-04	6.78E-04	6.23E-04	5.43E-04	5.42E-04	3.24E-04	
629340	427900	1.85E-03	1.24E-03	1.29E-03	1.04E-03	7.55E-04	1.02E-03	1.64E-03	1.66E-03	2.38E-03	2.19E-03	2.72E-04	5.60E-04	7.02E-04	6.45E-04	5.63E-04	5.62E-04	3.16E-04	
629360	427900	1.71E-03	1.05E-03	1.31E-03	1.05E-03	7.61E-04	1.04E-03	1.67E-03	1.68E-03	2.42E-03	2.23E-03	2.38E-03	5.64E-04	7.08E-04	6.50E-04	5.67E-04	5.66E-04	3.38E-04	
629380	427900	1.88E-03	1.27E-03	1.33E-03	1.07E-03	7.65E-04	1.05E-03	1.69E-03	1.71E-03	2.45E-03	2.26E-03	2.47E-03	5.67E-04	7.11E-04	6.53E-04	5.69E-04	5.68E-04	3.40E-04	
629400	427900	1.90E-03	1.28E-03	1.34E-03	1.08E-03	7.70E-04	1.06E-03	1.71E-03	1.73E-03	2.49E-03	2.29E-03	2.57E-03	5.69E-04	7.14E-04	6.56E-04	5.72E-04	5.71E-04	3.41E-04	
629420	427900	1.92E-03	1.30E-03	1.35E-03	1.09E-03	7.73E-04	1.06E-03	1.73E-03	1.75E-03	2.52E-03	2.32E-03	2.60E-03	5.71E-04	7.17E-04	6.59E-04	5.74E-04	5.73E-04	3.43E-04	
629440	427900	1.93E-03	1.31E-03	1.37E-03	1.10E-03	7.75E-04	1.07E-03	1.75E-03	1.77E-03	2.55E-03	2.35E-03	2.62E-03	5.72E-04	7.18E-04	6.59E-04	5.75E-04	5.74E-04	3.43E-04	
629460	427900	1.94E-03	1.32E-03	1.38E-03	1.11E-03	7.77E-04	1.08E-03	1.77E-03	1.79E-03	2.58E-03	2.37E-03	2.64E-03	5.73E-04	7.18E-04	6.60E-04	5.75E-04	5.74E-04	3.43E-04	
629480	427900	1.95E-03	1.33E-03	1.39E-03	1.11E-03	7.76E-04	1.08E-03	1.79E-03	1.81E-03	2.60E-03	2.40E-03	2.66E-03	5.74E-04	7.18E-04	6.59E-04	5.75E-04	5.74E-04	3.43E-04	
629500	427900	1.96E-03	1.33E-03	1.40E-03	1.12E-03	7.75E-04	1.09E-03	1.80E-03	1.82E-03	2.63E-03	2.42E-03	2.68E-03	5.75E-04	7.17E-04	6.58E-04	5.74E-04	5.73E-04	3.43E-04	
629520	427900	1.96E-03	1.34E-03	1.41E-03	1.12E-03	7.73E-04	1.09E-03	1.82E-03	1.84E-03	2.65E-03	2.44E-03	2.70E-03	5.75E-04	7.16E-04	6.56E-04	5.72E-04	5.72E-04	3.41E-04	
629540	427900	1.97E-03	1.35E-03	1.42E-03	1.13E-03	7.72E-04	1.09E-03	1.83E-03	1.85E-03	2.66E-03	2.46E-03	2.71E-03	5.74E-04	7.15E-04	6.54E-04	5.70E-04	5.70E-04	3.40E-04	
629560	427900	1.97E-03	1.35E-03	1.42E-03	1.13E-03	7.69E-04	1.10E-03	1.84E-03	1.86E-03	2.68E-03	2.47E-03	2.73E-03	5.73E-04	7.14E-04	6.52E-04	5.68E-04	5.68E-04	3.39E-04	
629580	427900	1.97E-03	1.35E-03	1.43E-03	1.13E-03	7.67E-04	1.10E-03	1.84E-03	1.86E-03	2.69E-03	2.48E-03	2.74E-03	5.73E-04	7.13E-04	6.50E-04	5.66E-04	5.66E-04	3.38E-04	
629600	427900	1.97E-03	1.35E-03	1.43E-03	1.13E-03	7.64E-04	1.10E-03	1.85E-03	1.87E-03	2.70E-03	2.49E-03	2.75E-03	5.72E-04	7.12E-04	6.47E-04	5.64E-04	5.63E-04	3.36E-04	
629620	427900	1.97E-03	1.35E-03	1.43E-03	1.13E-03	7.61E-04	1.10E-03	1.85E-03	1.87E-03	2.70E-03	2.49E-03	2.75E-03	5.68E-04	7.08E-04	6.43E-04	5.61E-04	5.60E-04	3.35E-04	
629220	427900	1.96E-03	1.35E-03	1.43E-03	1.13E-03	7.56E-04	1.09E-03	1.85E-03	1.87E-03	2.70E-03	2.49E-03	2.75E-03	5.64E-04	6.99E-04	6.39E-04	5.57E-04	5.56E-04	3.32E-04	
629240	427900	1.95E-03	1.35E-03	1.42E-03	1.13E-03	7.50E-04	1.09E-03	1.85E-03	1.87E-03	2.70E-03	2.49E-03	2.75E-03	5.60E-04	6.89E-04	6.33E-04	5.52E-04	5.51E-04	3.29E-04	
629260	427900	1.94E-03	1.34E-03	1.42E-03	1.12E-03	7.42E-04	1.08E-03	1.84E-03	1.86E-03	2.69E-03	2.48E-03	2.74E-03	5.61E-04	6.82E-04	6.26E-04	5.46E-04	5.45E-04	3.26E-04	
629280	427900	1.92E-03	1.33E-03	1.41E-03	1.12E-03	7.35E-04	1.07E-03	1.83E-03	1.85E-03	2.67E-03	2.47E-03	2.73E-03	5.58E-04	6.79E-04	6.20E-04	5.40E-04	5.40E-04	3.22E-04	
629300	427900	1.90E-03	1.32E-03	1.40E-03	1.10E-03	7.26E-04	1.06E-03	1.82E-03	1.84E-03	2.66E-03	2.45E-03	2.72E-03	5.56E-04	6.76E-04	6.12E-04	5.33E-04	5.33E-04	3.18E-04	
629320	427900	1.78E-03	1.20E-03	1.25E-03	1.00E-03	7.26E-04	9.86E-04	1.59E-03	1.60E-03	2.30E-03	2.12E-03	2.64E-03	5.38E-04	6.75E-04	6.20E-04	5.40E-04	5.40E-04	3.23E-04	
629340	427900	1.80E-03	1.21E-03	1.26E-03	1.02E-03	7.32E-04	9.88E-04	1.61E-03	1.63E-03	2.34E-03	2.15E-03	2.68E-03	5.42E-04	6.80E-04	6.25E-04	5.44E-04	5.44E-04	3.25E-04	
629360	427900	1.82E-03	1.23E-03	1.28E-03	1.03E-03	7.36E-04	1.01E-03	1.63E-03	1.65E-03	2.37E-03	2.18E-03	2.71E-03	5.45E-04	6.84E-04	6.28E-04	5.48E-04	5.47E-04	3.27E-04	
629380	427900	1.83E-03	1.24E-03	1.29E-03	1.04E-03	7.40E-04	1.02E-03	1.65E-03	1.67E-03	2.40E-03	2.21E-03	2.74E-03	5.47E-04	6.87E-04	6.31E-04	5.50E-04	5.49E-04	3.28E-04	
629400	427900	1.85E-03	1.25E-03	1.31E-03	1.05E-03	7.43E-04	1.03E-03	1.67E-03	1.69E-03	2.43E-03	2.24E-03	2.76E-03	5.49E-04	6.89E-04	6.33E-04	5.52E-04	5.51E-04	3.29E-04	
629420	427900	1.86E-03	1.26E-03	1.32E-03	1.06E-03	7.45E-04	1.03E-03	1.69E-03	1.71E-03	2.46E-03	2.27E-03	2.78E-03	5.50E-04	6.90E-04	6.34E-04	5.52E-04	5.52E-04	3.30E-04	
629440	427900	1.87E-03	1.27E-03	1.33E-03	1.07E-03	7.46E-04	1.04E-03	1.71E-03	1.73E-03	2.49E-03	2.30E-03	2.80E-03	5.50E-04	6.90E-04	6.34E-04	5.52E-04	5.52E-04	3.30E-04	
629460	427900	1.88E-03	1.28E-03	1.34E-03	1.07E-03	7.46E-04	1.05E-03	1.73E-03	1.75E-03	2.52E-03	2.32E-03	2.82E-03	5.49E-04	6.90E-04	6.34E-04	5.53E-04	5.52E-04	3.30E-04	
629480	427900	1.89E-03	1.29E-03	1.35E-03	1.08E-03	7.46E-04	1.05E-03	1.74E-03	1.76E-03	2.54E-03	2.34E-03	2.84E-03	5.49E-04	6.89E-04	6.33E-04	5.52E-04	5.51E-04	3.30E-04	
629500	427900	1.89E-03	1.30E-03	1.36E-03	1.08E-03	7.44E-04	1.05E-03	1.76E-03	1.77E-03	2.56E-03	2.36E-03	2.86E-03	5.48E-04	6.87E-04	6.31E-04	5.50E-04	5.50E-04	3.28E-04	
629520	427900	1.90E-03	1.30E-03	1.37E-03	1.09E-03	7.43E-04	1.06E-03	1.77E-03	1.79E-03	2.58E-03	2.38E-03	2.88E-03	5.46E-04	6.85E-04	6.30E-04	5.49E-04	5.48E-04	3.28E-04	
629540	427900	1.90E-03	1.30E-03	1.38E-03	1.09E-03	7.41E-04	1.06E-03	1.78E-03	1.80E-03	2.59E-03	2.39E-03	2.90E-03	5.45E-04	6.83E-04	6.28E-04	5.47E-04	5.47E-04	3.27E-04	
629560	427900	1.90E-03	1.31E-03	1.38E-03	1.09E-03	7.40E-04	1.06E-03	1.78E-03	1.80E-03	2.60E-03	2.40E-03	2.91E-03	5.43E-04	6.81E-04	6.26E-04	5.46E-04	5.45E-04	3.26E-04	
629580	427900	1.90E-03	1.31E-03	1.38E-03	1.10E-03	7.38E-04	1.06E-03	1.79E-03	1.81E-03	2.61E-03	2.41E-03	2.92E-03	5.44E-04	6.81E-04	6.26E-04	5.46E-04	5.45E-04	3.26E-04	
629600	427900	1.90E-03	1.31E-03	1.38E-03	1.10E-03	7.34E-04	1.06E-03	1.79E-03	1.81E-03	2.62E-03	2.41E-03	2.93E-03	5.43E-04	6.80E-04	6.26E-04	5.46E-04	5.45E-04	3.26E-04	
629220	427900	1.90E-03	1.31E-03	1.38E-03	1.10E-03	7.29E-04	1.06E-03	1.79E-03	1.81E-03	2.62E-03	2.42E-03	2.93E-03	5.43E-04	6.80E-04	6.26E-04	5.46E-04	5.45E-04	3.26E-04	
629240	427900	1.89E-03	1.30E-03	1.38E-03	1.09E-03	7.24E-04	1.05E-03	1.79E-03	1.81E-03	2.62E-03	2.41E-03	2.93E-03	5.43E-04	6.80E-04	6.26E-04	5.46E-04	5.45E-04	3.26E-04	
629260	427900	1.88E-03	1.30E-03	1.37E-03	1.08E-03	7.18E-04	1.05E-03	1.78E-03	1.80E-03	2.61E-03	2.41E-03	2.93E-03	5.43E-04	6.80E-04	6.26E-04	5.46E-04	5.45E-04	3.26E-04	
629540	427880	2.78E-03	1.85E-03	1.91E-03	1.56E-03	1.17E-03	1.54E-03	2.41E-03	2.43E-03	3.48E-03	3.20E-03	3.39E-03	8.72E-04	1.09E-03	1.01E-03	8.76E-04	8.75E-04	5.23E-04	
629560	427880	2.74E-03	1.82E-03	1.89E-03	1.53E-03	1.14E-03	1.51E-03	2.39E-03	2.41E-03	3.45E-03	3.18E-03	3.37E-03	8.69E-04	1.08E-03	9.79E-04	8.53E-04	8.52E-04	5.09E-04	
629580	427880	2.46E-03	1.66E-03	1.72E-03	1.39E-03	1.01E-03	1.37E-03	2.19E-03	2.22E-03	3.18E-03	2.93E-03	3.14E-03	7.47E-04	9.37E-04	8.61E-04	7.50E-04	7.50E-04	4.48E-04	
629580	427880	2.24E-03	1.52E-03	1.59E-03	1.27E-03	9.03E-04	1.25E-03	2.03E-03	2.06E-03	2.96E-03	2.72E-03	2.83E-03	6.67E-04	8.38E-04	7.70E-04	6.71E-04	6.70E-04	4.00E-04	
629560	427880	2.50E-03	1.67E-03	1.74E-03	1.41E-03	1.03E-03	1.39E-03	2.21E-03	2.23E-03	3.20E-03	2.95E-03	3.16E-03	7.65E-04	9.60E-04	8.82E-04	7.69E-04	7.68E-04	4.59E-04	

Risk Calculation Part 2

3rd Trimester	DCL	2-16	Total	per million	Cancer Risk	Receptor Determination
2.69E-08	5.33E-07	4.54E-07	1.01E-06	1.01	Indermum High School	
2.66E-08	5.29E-07					

C3-4 Hazard Index Calculations (Innovation Park PUD)

Innovation Park PUD

Innovation Park (no CNUI)

Unmitigated Innovation Park (no CNUI) Construction Hazard Index Calculations

Table with columns: Construction Emissions, as applied to AERMOD results. Includes Year, Start Date, Stop Date, Days, and Unmitigated DPM.

DPM REL table with values 5 and 0.22.

Diesel Particulate Matter concentration, CPM (ug/m³)

Large data table with columns for X (UTM), Y (UTM), and years 2022 through 2038. Contains numerical values for diesel particulate matter concentration.

Summary table with columns: Max, IUTM X, IUTM Y. Values: 0.009, 629320, 4278600.

Receptor Determination

Table with columns: DPM, Year, H, Receptor Determination. Lists receptor status for each year and DPM value.

Diesel Particulate Matter concentration, C₅₀₀ (ug/m³)

Table with columns for X (UTM), Y (UTM), Year (2022-2038), and DPM (DPM, Max Year, HI, Receptor Determination). The table contains a grid of numerical values representing Diesel Particulate Matter concentration for various locations and years.

Diesel Particulate Matter concentration, C₅₀₀ (ug/m³)

Table with columns for X (UTM), Y (UTM), Year (2022-2038), and DPM (DPM, Max Year, HI, Receptor Determination). The table contains a grid of numerical values representing Diesel Particulate Matter concentration for various locations and years.

Diesel/Particulate Matter concentration, $C_{DPM}(\mu\text{g}/\text{m}^3)$

X (UTM)	Y (UTM)	Innovation Park																	HI		Receptor Determination		
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	Max Year	HI			
629302	287972	2.34	1.42	1.42	0.22	1.15	1.15	0.22	5.43	5.43	3.13	2.96	1.22	2.21	1.51	1.51	1.51	2.98	2022	6.44	Interdium High School		
629304	287974	2.90	1.30	1.04	0.87	1.12	1.12	0.87	8.97	8.97	1.12	3.65	2.52	2.51	0.94	1.91	1.91	1.54	2.98	2022	6.44	Interdium High School	
629306	287976	2.81	1.02	1.01	0.72	1.09	1.09	0.72	8.65	8.65	0.72	4.97	2.07	2.45	2.44	0.90	1.63	1.63	1.49	1.59	2022	5.63	Interdium High School
629308	287978	2.73	1.23	0.83	0.84	1.06	1.06	0.84	8.40	8.40	0.83	4.83	2.88	2.37	2.37	0.76	1.80	1.44	1.40	1.54	2022	5.46	Interdium High School
629310	287980	3.16	1.19	0.92	0.92	1.15	1.15	0.92	9.15	9.15	1.19	5.47	3.13	2.96	1.22	2.21	1.51	1.51	1.51	2.98	2022	6.44	Interdium High School
629312	287982	2.56	1.02	0.92	0.73	0.93	0.93	0.73	8.77	8.77	1.02	4.52	2.70	2.23	2.22	0.46	1.63	1.35	1.36	1.45	2022	5.12	Interdium High School
629314	287984	3.37	1.51	1.21	1.02	1.31	1.31	1.02	10.42	10.42	1.51	5.95	3.55	2.93	2.92	0.87	2.22	1.78	1.79	1.90	2022	6.72	Interdium High School
629316	287986	3.36	1.51	1.21	1.04	1.30	1.30	1.04	10.32	10.32	1.51	5.93	3.54	2.92	2.91	0.84	2.21	1.77	1.78	1.90	2022	6.71	Interdium High School
629318	287988	3.33	1.50	1.21	1.04	1.29	1.29	1.04	10.22	10.22	1.50	5.88	3.53	2.91	2.90	0.83	2.20	1.76	1.77	1.89	2022	6.70	Interdium High School
629320	287990	3.29	1.48	1.18	1.02	1.27	1.27	1.02	10.12	10.12	1.48	5.80	3.46	2.86	2.85	0.72	2.17	1.74	1.74	1.86	2022	6.57	Interdium High School
629322	287992	3.23	1.45	1.18	1.02	1.25	1.25	1.02	9.92	9.92	1.45	5.70	3.40	2.81	2.80	0.62	2.13	1.71	1.71	1.82	2022	6.45	Interdium High School
629324	287994	3.16	1.42	1.14	1.02	1.23	1.23	1.02	9.73	9.73	1.42	5.59	3.34	2.75	2.74	0.51	2.09	1.67	1.68	1.79	2022	6.33	Interdium High School
629326	287996	3.09	1.39	1.11	1.02	1.16	1.16	1.02	9.55	9.55	1.39	5.47	3.26	2.69	2.68	0.38	2.04	1.64	1.64	1.75	2022	6.20	Interdium High School
629328	287998	3.02	1.36	1.09	1.02	1.13	1.13	1.02	9.28	9.28	1.36	5.33	3.18	2.62	2.62	0.25	1.99	1.60	1.60	1.71	2022	6.04	Interdium High School
629330	288000	2.94	1.32	1.08	1.01	1.14	1.14	1.01	9.05	9.05	1.32	5.20	3.10	2.56	2.55	0.12	1.94	1.56	1.56	1.66	2022	5.89	Interdium High School
629332	288002	2.87	1.29	1.01	0.88	1.11	1.11	0.88	8.83	8.83	1.29	5.08	3.02	2.49	2.49	0.00	1.90	1.52	1.52	1.62	2022	5.74	Interdium High School
629334	288004	2.80	1.26	1.01	0.87	1.09	1.09	0.87	8.60	8.60	1.26	4.95	2.95	2.42	2.41	0.87	1.85	1.48	1.48	1.58	2022	5.60	Interdium High School
629336	288006	2.72	1.22	0.98	0.83	1.06	1.06	0.83	8.38	8.38	1.22	4.81	2.87	2.37	2.36	0.74	1.80	1.44	1.44	1.54	2022	5.45	Interdium High School
629338	288008	2.65	1.19	0.95	0.83	1.03	1.03	0.83	8.14	8.14	1.19	4.68	2.79	2.30	2.30	0.61	1.75	1.40	1.40	1.50	2022	5.30	Interdium High School
629340	288010	2.57	1.15	0.92	0.79	1.03	1.03	0.79	7.90	7.90	1.15	4.54	2.71	2.23	2.23	0.47	1.69	1.36	1.36	1.45	2022	5.16	Interdium High School
629342	288012	2.49	1.12	0.89	0.73	1.01	1.01	0.73	7.66	7.66	1.12	4.40	2.63	2.15	2.15	0.34	1.64	1.32	1.32	1.41	2022	5.02	Interdium High School
629344	288014	2.42	1.09	0.84	0.73	1.01	1.01	0.73	7.41	7.41	1.09	4.26	2.55	2.07	2.07	0.21	1.59	1.26	1.26	1.35	2022	4.88	Interdium High School
629346	288016	2.34	1.06	0.84	0.73	1.01	1.01	0.73	7.17	7.17	1.06	4.13	2.47	1.99	1.99	0.08	1.54	1.23	1.23	1.32	2022	4.74	Interdium High School
629348	288018	2.26	1.02	0.81	0.73	1.01	1.01	0.73	6.92	6.92	1.02	4.00	2.38	1.92	1.92	0.00	1.49	1.18	1.18	1.27	2022	4.60	Interdium High School
629350	288020	2.18	1.00	0.80	0.73	1.01	1.01	0.73	6.67	6.67	1.00	3.87	2.29	1.87	1.87	0.00	1.44	1.15	1.15	1.24	2022	4.46	Interdium High School
629352	288022	2.10	0.97	0.79	0.73	1.01	1.01	0.73	6.42	6.42	0.97	3.74	2.20	1.76	1.76	0.00	1.39	1.11	1.11	1.20	2022	4.32	Interdium High School
629354	288024	2.02	0.94	0.76	0.73	1.01	1.01	0.73	6.17	6.17	0.94	3.61	2.11	1.64	1.64	0.00	1.34	1.07	1.07	1.16	2022	4.18	Interdium High School
629356	288026	1.94	0.91	0.73	0.73	1.01	1.01	0.73	5.92	5.92	0.91	3.48	2.02	1.57	1.57	0.00	1.29	1.03	1.03	1.12	2022	4.04	Interdium High School
629358	288028	1.86	0.88	0.73	0.73	1.01	1.01	0.73	5.67	5.67	0.88	3.35	1.93	1.44	1.44	0.00	1.24	1.00	1.00	1.09	2022	3.90	Interdium High School
629360	288030	1.78	0.85	0.73	0.73	1.01	1.01	0.73	5.42	5.42	0.85	3.22	1.84	1.36	1.36	0.00	1.19	0.97	0.97	1.06	2022	3.76	Interdium High School
629362	288032	1.70	0.82	0.73	0.73	1.01	1.01	0.73	5.17	5.17	0.82	3.09	1.75	1.28	1.28	0.00	1.14	0.93	0.93	1.02	2022	3.62	Interdium High School
629364	288034	1.62	0.79	0.73	0.73	1.01	1.01	0.73	4.92	4.92	0.79	2.96	1.66	1.20	1.20	0.00	1.09	0.89	0.89	0.98	2022	3.48	Interdium High School
629366	288036	1.54	0.76	0.73	0.73	1.01	1.01	0.73	4.67	4.67	0.76	2.83	1.57	1.12	1.12	0.00	1.04	0.84	0.84	0.93	2022	3.34	Interdium High School
629368	288038	1.46	0.73	0.73	0.73	1.01	1.01	0.73	4.42	4.42	0.73	2.70	1.48	1.04	1.04	0.00	0.99	0.81	0.81	0.90	2022	3.20	Interdium High School
629370	288040	1.38	0.70	0.73	0.73	1.01	1.01	0.73	4.17	4.17	0.70	2.57	1.39	0.96	0.96	0.00	0.94	0.77	0.77	0.86	2022	3.06	Interdium High School
629372	288042	1.30	0.67	0.73	0.73	1.01	1.01	0.73	3.92	3.92	0.67	2.44	1.30	0.88	0.88	0.00	0.89	0.73	0.73	0.82	2022	2.92	Interdium High School
629374	288044	1.22	0.64	0.73	0.73	1.01	1.01	0.73	3.67	3.67	0.64	2.31	1.21	0.80	0.80	0.00	0.84	0.69	0.69	0.78	2022	2.78	Interdium High School
629376	288046	1.14	0.61	0.73	0.73	1.01	1.01	0.73	3.42	3.42	0.61	2.18	1.12	0.72	0.72	0.00	0.79	0.64	0.64	0.73	2022	2.64	Interdium High School
629378	288048	1.06	0.58	0.73	0.73	1.01	1.01	0.73	3.17	3.17	0.58	2.05	1.03	0.64	0.64	0.00	0.74	0.59	0.59	0.68	2022	2.50	Interdium High School
629380	288050	1.00	0.55	0.73	0.73	1.01	1.01	0.73	2.92	2.92	0.55	1.92	0.94	0.56	0.56	0.00	0.69	0.54	0.54	0.63	2022	2.36	Interdium High School
629382	288052	0.92	0.52	0.73	0.73	1.01	1.01	0.73	2.67	2.67	0.52	1.79	0.85	0.48	0.48	0.00	0.64	0.49	0.49	0.58	2022	2.22	Interdium High School
629384	288054	0.84	0.49	0.73	0.73	1.01	1.01	0.73	2.42	2.42	0.49	1.66	0.76	0.40	0.40	0.00	0.59	0.44	0.44	0.53	2022	2.08	Interdium High School
629386	288056	0.76	0.46	0.73	0.73	1.01	1.01	0.73	2.17	2.17	0.46	1.53	0.67	0.32	0.32	0.00	0.54	0.39	0.39	0.48	2022	1.94	Interdium High School
629388	288058	0.68	0.43	0.73	0.73	1.01	1.01	0.73	1.92	1.92	0.43	1.40	0.58	0.24	0.24	0.00	0.49	0.34	0.34	0.43	2022	1.80	Interdium High School
629390	288060	0.60	0.40	0.73	0.73	1.01	1.01	0.73	1.67	1.67	0.40	1.27	0.49	0.16	0.16	0.00	0.44	0.29	0.29	0.38	2022	1.66	Interdium High School
629392	288062	0.52	0.37	0.73	0.73	1.01	1.01	0.73	1.42	1.42	0.37	1.14	0.40	0.08	0.08	0.00	0.39	0.24	0.24	0.33	2022	1.52	Interdium High School
629394	288064	0.44	0.34	0.73	0.73	1.01	1.01	0.73	1.17	1.17	0.34	1.01	0.31	0.00	0.00	0.00	0.34	0.19	0.19	0.28	2022	1.38	Interdium High School
629396	288066	0.36	0.31	0.73	0.73	1.01	1.01	0.73	0.92	0.92	0.31	0.88	0.22	0.00	0.00	0.00	0.29	0.14	0.14	0.23	2022	1.24	Interdium High School
629398	288068	0.28	0.28	0.73	0.73	1.01	1.01	0.73	0.67	0.67	0.28	0.75	0.13	0.00	0.00	0.00	0.24	0.09	0.09	0.18	2022	1.10	Interdium High School
629400	288070	0.20	0.25	0.73	0.73	1.01	1.01	0.73	0.42	0.42	0.25	0.62	0.04	0.00	0.00	0.00	0.19	0.04	0.04	0.13	2022	0.96	Interdium High School
629402	288072	0.12	0.22	0.73	0.73	1.01	1.01	0.73	0.17	0.17	0.22	0.49	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.08	2022	0.82	Interdium High School
629404	288074	0.04	0.19	0.73	0.73	1.01	1.01	0.73	0.00	0.00	0.19	0.36	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.02	2022	0.68	Interdium High School
629406	288076	0.00	0.16	0.73	0.73	1.01	1.01	0.73	0.00	0.00	0.16	0.23	0.00	0.00	0.00	0.00	0.04	0.00	0.00				

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	Innovation Park																
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
629080	4279860	2.61E-02	1.17E-02	9.31E-03	8.04E-03	1.01E-02	8.89E-03	7.99E-03	8.04E-03	4.59E-03	2.74E-03	2.26E-03	2.25E-03	4.52E-03	1.71E-03	1.37E-03	1.38E-03	1.47E-03
629100	4279860	2.59E-02	1.16E-02	9.31E-03	8.01E-03	1.00E-02	8.85E-03	7.96E-03	8.01E-03	4.57E-03	2.73E-03	2.25E-03	2.24E-03	4.51E-03	1.71E-03	1.37E-03	1.37E-03	1.46E-03
629120	4279860	2.58E-02	1.16E-02	9.28E-03	7.99E-03	1.00E-02	8.82E-03	7.93E-03	7.99E-03	4.56E-03	2.72E-03	2.24E-03	2.24E-03	4.49E-03	1.70E-03	1.36E-03	1.37E-03	1.46E-03
629140	4279860	2.57E-02	1.15E-02	9.24E-03	7.95E-03	9.96E-03	8.78E-03	7.89E-03	7.95E-03	4.54E-03	2.71E-03	2.23E-03	2.23E-03	4.47E-03	1.69E-03	1.36E-03	1.36E-03	1.45E-03
629160	4279860	2.55E-02	1.15E-02	9.19E-03	7.91E-03	9.91E-03	8.74E-03	7.85E-03	7.91E-03	4.53E-03	2.69E-03	2.22E-03	2.22E-03	4.45E-03	1.68E-03	1.35E-03	1.35E-03	1.44E-03
629180	4279860	2.54E-02	1.14E-02	9.14E-03	7.87E-03	9.86E-03	8.69E-03	7.81E-03	7.87E-03	4.49E-03	2.68E-03	2.21E-03	2.20E-03	4.42E-03	1.68E-03	1.34E-03	1.35E-03	1.44E-03
629200	4279860	2.52E-02	1.13E-02	9.08E-03	7.81E-03	9.78E-03	8.63E-03	7.75E-03	7.81E-03	4.46E-03	2.66E-03	2.19E-03	2.19E-03	4.39E-03	1.66E-03	1.33E-03	1.34E-03	1.43E-03
629220	4279860	2.51E-02	1.13E-02	9.02E-03	7.76E-03	9.72E-03	8.57E-03	7.70E-03	7.76E-03	4.43E-03	2.64E-03	2.18E-03	2.17E-03	4.36E-03	1.65E-03	1.32E-03	1.33E-03	1.42E-03
629240	4279860	2.48E-02	1.12E-02	8.93E-03	7.68E-03	9.62E-03	8.49E-03	7.63E-03	7.68E-03	4.38E-03	2.62E-03	2.16E-03	2.15E-03	4.32E-03	1.64E-03	1.31E-03	1.32E-03	1.40E-03
629260	4279860	2.45E-02	1.10E-02	8.82E-03	7.59E-03	9.51E-03	8.38E-03	7.54E-03	7.59E-03	4.33E-03	2.58E-03	2.13E-03	2.13E-03	4.27E-03	1.62E-03	1.30E-03	1.30E-03	1.39E-03
629280	4279860	2.42E-02	1.09E-02	8.70E-03	7.48E-03	9.38E-03	8.27E-03	7.43E-03	7.48E-03	4.27E-03	2.56E-03	2.10E-03	2.10E-03	4.21E-03	1.59E-03	1.28E-03	1.28E-03	1.37E-03
629300	4279860	2.38E-02	1.07E-02	8.57E-03	7.37E-03	9.24E-03	8.14E-03	7.32E-03	7.37E-03	4.21E-03	2.51E-03	2.07E-03	2.07E-03	4.15E-03	1.57E-03	1.26E-03	1.26E-03	1.35E-03
629320	4279860	2.34E-02	1.05E-02	8.43E-03	7.26E-03	9.09E-03	8.02E-03	7.20E-03	7.26E-03	4.14E-03	2.47E-03	2.04E-03	2.03E-03	4.08E-03	1.55E-03	1.24E-03	1.24E-03	1.33E-03
629340	4279860	2.30E-02	1.03E-02	8.29E-03	7.13E-03	8.93E-03	7.88E-03	7.08E-03	7.13E-03	4.07E-03	2.43E-03	2.00E-03	2.00E-03	4.01E-03	1.52E-03	1.22E-03	1.22E-03	1.30E-03
629360	4279860	2.25E-02	1.01E-02	8.11E-03	7.00E-03	8.76E-03	7.73E-03	6.93E-03	6.98E-03	4.00E-03	2.38E-03	2.13E-03	2.12E-03	3.94E-03	1.49E-03	1.20E-03	1.20E-03	1.28E-03
629380	4279860	2.47E-02	1.11E-02	8.88E-03	7.64E-03	9.57E-03	8.43E-03	7.58E-03	7.64E-03	4.36E-03	2.60E-03	2.14E-03	2.14E-03	4.29E-03	1.63E-03	1.30E-03	1.31E-03	1.39E-03
629400	4279860	2.48E-02	1.11E-02	8.92E-03	7.67E-03	9.61E-03	8.47E-03	7.62E-03	7.67E-03	4.38E-03	2.61E-03	2.15E-03	2.15E-03	4.31E-03	1.63E-03	1.31E-03	1.31E-03	1.40E-03
629420	4279860	2.49E-02	1.12E-02	8.96E-03	7.71E-03	9.66E-03	8.52E-03	7.66E-03	7.71E-03	4.40E-03	2.63E-03	2.17E-03	2.16E-03	4.34E-03	1.64E-03	1.32E-03	1.32E-03	1.41E-03
629000	4279880	2.50E-02	1.12E-02	8.99E-03	7.73E-03	9.69E-03	8.54E-03	7.68E-03	7.73E-03	4.41E-03	2.63E-03	2.17E-03	2.17E-03	4.35E-03	1.65E-03	1.32E-03	1.32E-03	1.41E-03
629020	4279880	2.50E-02	1.12E-02	9.00E-03	7.74E-03	9.70E-03	8.55E-03	7.69E-03	7.74E-03	4.42E-03	2.64E-03	2.17E-03	2.17E-03	4.35E-03	1.65E-03	1.32E-03	1.33E-03	1.41E-03
629040	4279880	2.50E-02	1.12E-02	9.00E-03	7.74E-03	9.70E-03	8.55E-03	7.69E-03	7.74E-03	4.42E-03	2.64E-03	2.17E-03	2.17E-03	4.35E-03	1.65E-03	1.32E-03	1.33E-03	1.41E-03
629060	4279880	2.50E-02	1.12E-02	8.99E-03	7.74E-03	9.69E-03	8.55E-03	7.68E-03	7.74E-03	4.42E-03	2.63E-03	2.17E-03	2.17E-03	4.35E-03	1.65E-03	1.32E-03	1.33E-03	1.41E-03
629080	4279880	2.49E-02	1.12E-02	8.98E-03	7.73E-03	9.68E-03	8.53E-03	7.67E-03	7.73E-03	4.41E-03	2.63E-03	2.17E-03	2.16E-03	4.34E-03	1.65E-03	1.32E-03	1.32E-03	1.41E-03
629100	4279880	2.48E-02	1.12E-02	8.94E-03	7.69E-03	9.64E-03	8.50E-03	7.64E-03	7.69E-03	4.39E-03	2.62E-03	2.16E-03	2.16E-03	4.33E-03	1.64E-03	1.31E-03	1.32E-03	1.40E-03
629120	4279880	2.48E-02	1.11E-02	8.92E-03	7.67E-03	9.61E-03	8.48E-03	7.62E-03	7.67E-03	4.38E-03	2.61E-03	2.15E-03	2.15E-03	4.31E-03	1.63E-03	1.31E-03	1.31E-03	1.40E-03
629140	4279880	2.47E-02	1.11E-02	8.89E-03	7.64E-03	9.58E-03	8.44E-03	7.59E-03	7.64E-03	4.36E-03	2.60E-03	2.15E-03	2.14E-03	4.30E-03	1.63E-03	1.31E-03	1.31E-03	1.40E-03
629160	4279880	2.46E-02	1.10E-02	8.84E-03	7.61E-03	9.53E-03	8.40E-03	7.55E-03	7.61E-03	4.34E-03	2.59E-03	2.14E-03	2.13E-03	4.28E-03	1.62E-03	1.30E-03	1.30E-03	1.39E-03
629180	4279880	2.44E-02	1.10E-02	8.80E-03	7.57E-03	9.48E-03	8.36E-03	7.51E-03	7.57E-03	4.32E-03	2.58E-03	2.13E-03	2.13E-03	4.26E-03	1.62E-03	1.29E-03	1.30E-03	1.38E-03
629200	4279880	2.43E-02	1.09E-02	8.75E-03	7.53E-03	9.43E-03	8.31E-03	7.47E-03	7.53E-03	4.29E-03	2.56E-03	2.11E-03	2.11E-03	4.23E-03	1.60E-03	1.29E-03	1.29E-03	1.37E-03
629220	4279880	2.41E-02	1.08E-02	8.68E-03	7.47E-03	9.36E-03	8.25E-03	7.42E-03	7.47E-03	4.26E-03	2.54E-03	2.10E-03	2.09E-03	4.20E-03	1.59E-03	1.28E-03	1.28E-03	1.36E-03
629240	4279880	2.39E-02	1.07E-02	8.61E-03	7.40E-03	9.28E-03	8.18E-03	7.35E-03	7.40E-03	4.23E-03	2.52E-03	2.08E-03	2.07E-03	4.16E-03	1.58E-03	1.26E-03	1.27E-03	1.35E-03
629260	4279880	2.37E-02	1.06E-02	8.53E-03	7.33E-03	9.17E-03	8.09E-03	7.27E-03	7.33E-03	4.18E-03	2.49E-03	2.06E-03	2.05E-03	4.12E-03	1.56E-03	1.25E-03	1.26E-03	1.34E-03
629280	4279880	2.33E-02	1.05E-02	8.40E-03	7.23E-03	9.06E-03	7.98E-03	7.18E-03	7.23E-03	4.13E-03	2.46E-03	2.03E-03	2.02E-03	4.06E-03	1.54E-03	1.23E-03	1.24E-03	1.32E-03
629300	4279880	2.30E-02	1.03E-02	8.29E-03	7.13E-03	8.93E-03	7.87E-03	7.08E-03	7.13E-03	4.07E-03	2.43E-03	2.00E-03	2.00E-03	4.01E-03	1.52E-03	1.22E-03	1.22E-03	1.30E-03
629320	4279880	2.27E-02	1.02E-02	8.16E-03	7.02E-03	8.80E-03	7.76E-03	6.97E-03	7.02E-03	4.01E-03	2.39E-03	1.97E-03	1.97E-03	3.95E-03	1.50E-03	1.20E-03	1.20E-03	1.28E-03
629340	4279880	2.23E-02	1.00E-02	8.02E-03	6.90E-03	8.65E-03	7.62E-03	6.85E-03	6.90E-03	3.94E-03	2.35E-03	1.94E-03	1.93E-03	3.88E-03	1.47E-03	1.18E-03	1.18E-03	1.26E-03
629360	4279900	2.37E-02	1.06E-02	8.52E-03	7.33E-03	9.19E-03	8.10E-03	7.28E-03	7.33E-03	4.18E-03	2.50E-03	2.06E-03	2.05E-03	4.12E-03	1.56E-03	1.25E-03	1.26E-03	1.34E-03
629380	4279900	2.38E-02	1.07E-02	8.56E-03	7.37E-03	9.23E-03	8.14E-03	7.31E-03	7.37E-03	4.20E-03	2.51E-03	2.07E-03	2.06E-03	4.14E-03	1.57E-03	1.26E-03	1.26E-03	1.34E-03
629400	4279900	2.39E-02	1.07E-02	8.60E-03	7.40E-03	9.27E-03	8.17E-03	7.35E-03	7.40E-03	4.22E-03	2.52E-03	2.08E-03	2.07E-03	4.16E-03	1.58E-03	1.26E-03	1.27E-03	1.35E-03
629000	4279920	2.40E-02	1.08E-02	8.63E-03	7.44E-03	9.30E-03	8.20E-03	7.37E-03	7.43E-03	4.24E-03	2.53E-03	2.09E-03	2.08E-03	4.18E-03	1.58E-03	1.27E-03	1.27E-03	1.35E-03
629020	4279920	2.40E-02	1.08E-02	8.65E-03	7.44E-03	9.32E-03	8.22E-03	7.39E-03	7.44E-03	4.25E-03	2.53E-03	2.09E-03	2.08E-03	4.18E-03	1.59E-03	1.27E-03	1.27E-03	1.36E-03
629040	4279920	2.40E-02	1.08E-02	8.64E-03	7.43E-03	9.31E-03	8.21E-03	7.38E-03	7.43E-03	4.24E-03	2.53E-03	2.09E-03	2.08E-03	4.18E-03	1.58E-03	1.27E-03	1.27E-03	1.36E-03
629060	4279920	2.40E-02	1.08E-02	8.63E-03	7.42E-03	9.30E-03	8.20E-03	7.37E-03	7.42E-03	4.24E-03	2.53E-03	2.09E-03	2.08E-03	4.17E-03	1.58E-03	1.27E-03	1.27E-03	1.36E-03
629080	4279920	2.40E-02	1.08E-02	8.63E-03	7.42E-03	9.30E-03	8.20E-03	7.37E-03	7.42E-03	4.24E-03	2.53E-03	2.09E-03	2.08E-03	4.17E-03	1.58E-03	1.27E-03	1.27E-03	1.36E-03
629100	4279920	2.39E-02	1.07E-02	8.60E-03	7.40E-03	9.27E-03	8.17E-03	7.34E-03	7.40E-03	4.22E-03	2.52E-03	2.08E-03	2.07E-03	4.16E-03	1.58E-03	1.26E-03	1.27E-03	1.35E-03
629120	4279920	2.38E-02	1.07E-02	8.58E-03	7.38E-03	9.24E-03	8.15E-03	7.33E-03	7.38E-03	4.21E-03	2.51E-03	2.07E-03	2.07E-03	4.15E-03	1.57E-03	1.26E-03	1.26E-03	1.35E-03
629140	4279920	2.37E-02	1.07E-02	8.54E-03	7.35E-03	9.21E-03	8.12E-03	7.30E-03	7.35E-03	4.19E-03	2.50E-03	2.06E-03	2.05E-03	4.13E-03	1.57E-03	1.26E-03	1.26E-03	1.34E-03
629160	4279920	2.36E-02	1.06E-02	8.50E-03	7.31E-03	9.18E-03	8.09E-03	7.29E-03	7.34E-03	4.17E-03	2.49E-03	2.05E-03	2.04E-03	4.11E-03	1.56E-03	1.25E-03	1.25E-03	1.33E-03
629180	4279920																	

Innovation Park PUD

Innovation Park (no CNU)
Mitigated Innovation Park (no CNU) Construction Hazard Index Calculations

Table with columns: Construction Emissions, as applied to AERMOD results, Year, Start Date, Stop Date, Duration, Mitigated DPM, tons, g/s. Rows include Innovation Park Construction from 2022 to 2038.

DPM REL 5 ug/m^3

Diesel Particulate Matter concentration, CDPM (ug/m^3)

Large data table with columns: X (UTM), Y (UTM), Innovation Park, and years 2022-2038. Contains numerical concentration data for various locations.

Table with columns: Max, IUTM X, IUTM Y. Values: 0.0004, 629320, 4278600.

Table with columns: H, DPM, Year, H, Receptor Determination. Contains receptor impact data for various years and receptors.

Diesel Particulate Matter concentration, C₅₀₀ (ug/m³)

Table with columns for X (UTM), Y (UTM), Year (2022-2038), and DPM (DPM, HI, HI, Receptor Determination). The table contains a large grid of numerical data points for each year and location.

Diesel Particulate Matter concentration, C₅₀₀ (ug/m³)

Table with columns for X (UTM), Y (UTM), Year (2022-2038), and DPM (DPM Max Year, HI, Receptor Determination). The table contains a grid of data points for various locations and years.

Diesel Particulate Matter concentration, C₅₀₀ (ug/m³)

Table with columns for X (UTM), Y (UTM), Year (2022-2038), and DPM (ug/m3). It contains a large grid of data points for various locations and years.

Diesel/Particulate Matter concentration, C₅₀₀ (ug/m³)

Table with columns for X (UTM), Y (UTM), Year (2022-2038), and Receptor Determination. The table contains a large grid of numerical data points for various receptors and years.

Diesel/Particulate Matter concentration, C₅₀₀ (ug/m³)

Table with columns for X (UTM), Y (UTM), Year (2022-2038), and Receptor Determination. The table contains a grid of data points for various locations and years, with a 'Receptor Determination' column on the right side.

Diesel Particulate Matter concentration, C₅₀₀ (ug/m³)

Table with columns for X (UTM), Y (UTM), Year (2022-2038), and HRA (H, HI, Receptor Determination). The table contains a grid of data points for various locations and years.

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	Innovation Park																
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
629080	4279860	1.31E-03	7.07E-04	6.22E-04	6.21E-04	7.90E-04	7.06E-04	6.17E-04	6.21E-04	7.90E-04	7.06E-04	6.17E-04	6.21E-04	7.90E-04	7.06E-04	6.17E-04	6.21E-04	7.90E-04
629100	4279860	1.30E-03	7.05E-04	6.19E-04	6.18E-04	7.87E-04	7.04E-04	6.15E-04	6.19E-04	7.87E-04	7.04E-04	6.15E-04	6.19E-04	7.87E-04	7.04E-04	6.15E-04	6.19E-04	7.87E-04
629120	4279860	1.31E-03	7.07E-04	6.17E-04	6.17E-04	7.85E-04	7.01E-04	6.13E-04	6.17E-04	7.85E-04	7.01E-04	6.13E-04	6.17E-04	7.85E-04	7.01E-04	6.13E-04	6.17E-04	7.85E-04
629140	4279860	1.31E-03	6.99E-04	6.14E-04	6.14E-04	7.81E-04	6.98E-04	6.10E-04	6.14E-04	7.81E-04	6.98E-04	6.10E-04	6.14E-04	7.81E-04	6.98E-04	6.10E-04	6.14E-04	7.81E-04
629160	4279860	1.30E-03	6.96E-04	6.11E-04	6.11E-04	7.77E-04	6.95E-04	6.07E-04	6.11E-04	7.77E-04	6.95E-04	6.07E-04	6.11E-04	7.77E-04	6.95E-04	6.07E-04	6.11E-04	7.77E-04
629180	4279860	1.29E-03	6.92E-04	6.08E-04	6.07E-04	7.73E-04	6.91E-04	6.03E-04	6.07E-04	7.73E-04	6.91E-04	6.03E-04	6.07E-04	7.73E-04	6.91E-04	6.03E-04	6.07E-04	7.73E-04
629200	4279860	1.28E-03	6.87E-04	6.04E-04	6.03E-04	7.67E-04	6.86E-04	5.99E-04	6.03E-04	7.67E-04	6.86E-04	5.99E-04	6.03E-04	7.67E-04	6.86E-04	5.99E-04	6.03E-04	7.67E-04
629220	4279860	1.27E-03	6.82E-04	6.00E-04	5.99E-04	7.62E-04	6.81E-04	5.95E-04	5.99E-04	7.62E-04	6.81E-04	5.95E-04	5.99E-04	7.62E-04	6.81E-04	5.95E-04	5.99E-04	7.62E-04
629240	4279860	1.26E-03	6.78E-04	5.94E-04	5.93E-04	7.55E-04	6.75E-04	5.89E-04	5.93E-04	7.55E-04	6.75E-04	5.89E-04	5.93E-04	7.55E-04	6.75E-04	5.89E-04	5.93E-04	7.55E-04
629260	4279860	1.25E-03	6.68E-04	5.87E-04	5.86E-04	7.46E-04	6.67E-04	5.82E-04	5.86E-04	7.46E-04	6.67E-04	5.82E-04	5.86E-04	7.46E-04	6.67E-04	5.82E-04	5.86E-04	7.46E-04
629280	4279860	1.23E-03	6.58E-04	5.78E-04	5.78E-04	7.35E-04	6.57E-04	5.74E-04	5.78E-04	7.35E-04	6.57E-04	5.74E-04	5.78E-04	7.35E-04	6.57E-04	5.74E-04	5.78E-04	7.35E-04
629300	4279860	1.21E-03	6.49E-04	5.70E-04	5.69E-04	7.25E-04	6.47E-04	5.66E-04	5.69E-04	7.25E-04	6.47E-04	5.66E-04	5.69E-04	7.25E-04	6.47E-04	5.66E-04	5.69E-04	7.25E-04
629320	4279860	1.19E-03	6.39E-04	5.61E-04	5.60E-04	7.13E-04	6.37E-04	5.57E-04	5.60E-04	7.13E-04	6.37E-04	5.57E-04	5.60E-04	7.13E-04	6.37E-04	5.57E-04	5.60E-04	7.13E-04
629340	4279860	1.17E-03	6.27E-04	5.51E-04	5.51E-04	7.01E-04	6.26E-04	5.47E-04	5.51E-04	7.01E-04	6.26E-04	5.47E-04	5.51E-04	7.01E-04	6.26E-04	5.47E-04	5.51E-04	7.01E-04
629360	4279860	1.15E-03	6.17E-04	5.43E-04	5.42E-04	6.90E-04	6.17E-04	5.39E-04	5.42E-04	6.90E-04	6.17E-04	5.39E-04	5.42E-04	6.90E-04	6.17E-04	5.39E-04	5.42E-04	6.90E-04
629380	4279860	1.13E-03	6.07E-04	5.35E-04	5.34E-04	6.80E-04	6.07E-04	5.30E-04	5.34E-04	6.80E-04	6.07E-04	5.30E-04	5.34E-04	6.80E-04	6.07E-04	5.30E-04	5.34E-04	6.80E-04
629400	4279860	1.11E-03	5.97E-04	5.27E-04	5.26E-04	6.70E-04	5.97E-04	5.24E-04	5.26E-04	6.70E-04	5.97E-04	5.24E-04	5.26E-04	6.70E-04	5.97E-04	5.24E-04	5.26E-04	6.70E-04
629420	4279860	1.09E-03	5.87E-04	5.19E-04	5.18E-04	6.60E-04	5.87E-04	5.16E-04	5.18E-04	6.60E-04	5.87E-04	5.16E-04	5.18E-04	6.60E-04	5.87E-04	5.16E-04	5.18E-04	6.60E-04
629440	4279860	1.07E-03	5.77E-04	5.11E-04	5.10E-04	6.50E-04	5.77E-04	5.08E-04	5.10E-04	6.50E-04	5.77E-04	5.08E-04	5.10E-04	6.50E-04	5.77E-04	5.08E-04	5.10E-04	6.50E-04
629460	4279860	1.05E-03	5.67E-04	5.03E-04	5.02E-04	6.40E-04	5.67E-04	5.00E-04	5.02E-04	6.40E-04	5.67E-04	5.00E-04	5.02E-04	6.40E-04	5.67E-04	5.00E-04	5.02E-04	6.40E-04
629480	4279860	1.03E-03	5.57E-04	4.95E-04	4.94E-04	6.30E-04	5.57E-04	4.92E-04	4.94E-04	6.30E-04	5.57E-04	4.92E-04	4.94E-04	6.30E-04	5.57E-04	4.92E-04	4.94E-04	6.30E-04
629500	4279860	1.01E-03	5.47E-04	4.87E-04	4.86E-04	6.20E-04	5.47E-04	4.84E-04	4.86E-04	6.20E-04	5.47E-04	4.84E-04	4.86E-04	6.20E-04	5.47E-04	4.84E-04	4.86E-04	6.20E-04
629520	4279860	9.9E-04	5.37E-04	4.79E-04	4.78E-04	6.10E-04	5.37E-04	4.76E-04	4.78E-04	6.10E-04	5.37E-04	4.76E-04	4.78E-04	6.10E-04	5.37E-04	4.76E-04	4.78E-04	6.10E-04
629540	4279860	9.7E-04	5.27E-04	4.71E-04	4.70E-04	6.00E-04	5.27E-04	4.68E-04	4.70E-04	6.00E-04	5.27E-04	4.68E-04	4.70E-04	6.00E-04	5.27E-04	4.68E-04	4.70E-04	6.00E-04
629560	4279860	9.5E-04	5.17E-04	4.63E-04	4.62E-04	5.90E-04	5.17E-04	4.60E-04	4.62E-04	5.90E-04	5.17E-04	4.60E-04	4.62E-04	5.90E-04	5.17E-04	4.60E-04	4.62E-04	5.90E-04
629580	4279860	9.3E-04	5.07E-04	4.55E-04	4.54E-04	5.80E-04	5.07E-04	4.52E-04	4.54E-04	5.80E-04	5.07E-04	4.52E-04	4.54E-04	5.80E-04	5.07E-04	4.52E-04	4.54E-04	5.80E-04
629600	4279860	9.1E-04	4.97E-04	4.47E-04	4.46E-04	5.70E-04	4.97E-04	4.44E-04	4.46E-04	5.70E-04	4.97E-04	4.44E-04	4.46E-04	5.70E-04	4.97E-04	4.44E-04	4.46E-04	5.70E-04

DPM	Max Year	HI	Receptor Determination	
			HI	D
1.32E-03	2022	2.64E-04	Interdum High School	
1.31E-03	2022	2.63E-04	Interdum High School	
1.31E-03	2022	2.62E-04	Interdum High School	
1.31E-03	2022	2.61E-04	Interdum High School	
1.30E-03	2022	2.60E-04	Interdum High School	
1.29E-03	2022	2.59E-04	Interdum High School	
1.28E-03	2022	2.57E-04	Interdum High School	
1.27E-03	2022	2.55E-04	Interdum High School	
1.26E-03	2022	2.53E-04	Interdum High School	
1.25E-03	2022	2.49E-04	Interdum High School	
1.23E-03	2022	2.46E-04	Interdum High School	
1.21E-03	2022	2.42E-04	Interdum High School	
1.19E-03	2022	2.39E-04	Interdum High School	
1.17E-03	2022	2.35E-04	Interdum High School	
1.15E-03	2022	2.31E-04	Interdum High School	
1.13E-03	2022	2.27E-04	Interdum High School	
1.11E-03	2022	2.23E-04	Interdum High School	
1.09E-03	2022	2.19E-04	Interdum High School	
1.07E-03	2022	2.15E-04	Interdum High School	
1.05E-03	2022	2.11E-04	Interdum High School	
1.03E-03	2022	2.07E-04	Interdum High School	
1.01E-03	2022	2.03E-04	Interdum High School	
9.9E-04	2022	2.00E-04	Interdum High School	
9.7E-04	2022	1.96E-04	Interdum High School	
9.5E-04	2022	1.92E-04	Interdum High School	
9.3E-04	2022	1.88E-04	Interdum High School	
9.1E-04	2022	1.84E-04	Interdum High School	
8.9E-04	2022	1.80E-04	Interdum High School	
8.7E-04	2022	1.76E-04	Interdum High School	
8.5E-04	2022	1.72E-04	Interdum High School	
8.3E-04	2022	1.68E-04	Interdum High School	
8.1E-04	2022	1.64E-04	Interdum High School	
7.9E-04	2022	1.60E-04	Interdum High School	
7.7E-04	2022	1.56E-04	Interdum High School	
7.5E-04	2022	1.52E-04	Interdum High School	
7.3E-04	2022	1.48E-04	Interdum High School	
7.1E-04	2022	1.44E-04	Interdum High School	
6.9E-04	2022	1.40E-04	Interdum High School	
6.7E-04	2022	1.36E-04	Interdum High School	
6.5E-04	2022	1.32E-04	Interdum High School	
6.3E-04	2022	1.28E-04	Interdum High School	
6.1E-04	2022	1.24E-04	Interdum High School	
5.9E-04	2022	1.20E-04	Interdum High School	
5.7E-04	2022	1.16E-04	Interdum High School	
5.5E-04	2022	1.12E-04	Interdum High School	
5.3E-04	2022	1.08E-04	Interdum High School	
5.1E-04	2022	1.04E-04	Interdum High School	
4.9E-04	2022	1.00E-04	Interdum High School	
4.7E-04	2022	9.6E-05	Interdum High School	
4.5E-04	2022	9.2E-05	Interdum High School	
4.3E-04	2022	8.8E-05	Interdum High School	
4.1E-04	2022	8.4E-05	Interdum High School	
3.9E-04	2022	8.0E-05	Interdum High School	
3.7E-04	2022	7.6E-05	Interdum High School	
3.5E-04	2022	7.2E-05	Interdum High School	
3.3E-04	2022	6.8E-05	Interdum High School	
3.1E-04	2022	6.4E-05	Interdum High School	
2.9E-04	2022	6.0E-05	Interdum High School	
2.7E-04	2022	5.6E-05	Interdum High School	
2.5E-04	2022	5.2E-05	Interdum High School	
2.3E-04	2022	4.8E-05	Interdum High School	
2.1E-04	2022	4.4E-05	Interdum High School	
1.9E-04	2022	4.0E-05	Interdum High School	
1.7E-04	2022	3.6E-05	Interdum High School	
1.5E-04	2022	3.2E-05	Interdum High School	
1.3E-04	2022	2.8E-05	Interdum High School	
1.1E-04	2022	2.4E-05	Interdum High School	
9E-05	2022	2.0E-05	Interdum High School	
7E-05	2022	1.6E-05	Interdum High School	
5E-05	2022	1.2E-05	Interdum High School	
3E-05	2022	8E-06	Interdum High School	
1E-05	2022	4E-06	Interdum High School	

C3-5 Hazard Index Calculations (GNU Medical Center)

Innovation Park PUD

CNU Campus
 Unmitigated CNU Campus Construction Hazard Index Calculations for Residential Child Receptor

Construction Emissions, as applied to AERMOD results				Days	Unmitigated DPM	
Year	Start Date	Stop Date	Duration	tons	g/s	
CNU Campus Construction	2022	2/1/2022	12/31/2022	334	2,06E-01	6.46E-03
	2023	1/1/2023	12/31/2023	365	1.67E-01	4.81E-03
	2024	1/1/2024	12/31/2024	366	1.87E-01	5.37E-03
	2025	1/1/2025	12/31/2025	365	1.01E-01	2.92E-03
	2026	1/1/2026	12/31/2026	365	8.83E-03	2.54E-04
	2027	1/1/2027	12/31/2027	365	8.71E-02	2.51E-03
	2028	1/1/2028	12/31/2028	366	2.39E-01	6.86E-03
	2029	1/1/2029	12/31/2029	365	2.48E-01	6.95E-03
	2030	1/1/2030	12/31/2030	365	5.49E-02	1.58E-03
	2031	1/1/2031	12/31/2031	365	6.74E-02	1.94E-03
	2032	1/1/2032	8/31/2032	244	2.70E-02	1.16E-03

DPM
 REL 5 ug/m³

Max	UTM X	UTM Y
0.012	629220	4278520

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Campus										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
629540	4278320	1.53E-02	1.14E-02	1.27E-02	6.91E-03	6.02E-04	5.94E-03	1.63E-02	1.65E-02	3.74E-03	4.60E-03	2.75E-03
629560	4278320	1.46E-02	1.09E-02	1.22E-02	6.62E-03	5.76E-04	5.68E-03	1.56E-02	1.58E-02	3.58E-03	4.40E-03	2.63E-03
629540	4278340	1.56E-02	1.16E-02	1.30E-02	7.05E-03	6.14E-04	6.05E-03	1.66E-02	1.68E-02	3.81E-03	4.69E-03	2.80E-03
629560	4278340	1.49E-02	1.11E-02	1.24E-02	6.74E-03	5.87E-04	5.79E-03	1.59E-02	1.61E-02	3.65E-03	4.48E-03	2.68E-03
629580	4278340	1.43E-02	1.06E-02	1.19E-02	6.45E-03	5.61E-04	5.54E-03	1.52E-02	1.54E-02	3.49E-03	4.29E-03	2.56E-03
629520	4278360	1.67E-02	1.24E-02	1.38E-02	7.53E-03	6.56E-04	6.47E-03	1.77E-02	1.80E-02	4.07E-03	5.01E-03	2.99E-03
629540	4278360	1.59E-02	1.18E-02	1.32E-02	7.19E-03	6.26E-04	6.17E-03	1.69E-02	1.71E-02	3.89E-03	4.78E-03	2.86E-03
629560	4278360	1.52E-02	1.13E-02	1.26E-02	6.86E-03	5.97E-04	5.89E-03	1.61E-02	1.64E-02	3.71E-03	4.56E-03	2.73E-03
629580	4278360	1.45E-02	1.08E-02	1.20E-02	6.55E-03	5.70E-04	5.63E-03	1.54E-02	1.56E-02	3.54E-03	4.35E-03	2.60E-03
629600	4278360	1.39E-02	1.03E-02	1.15E-02	6.26E-03	5.45E-04	5.37E-03	1.47E-02	1.49E-02	3.39E-03	4.16E-03	2.49E-03
629620	4278360	1.32E-02	0.98E-03	1.10E-02	5.98E-03	5.21E-04	5.14E-03	1.41E-02	1.43E-02	3.24E-03	3.98E-03	2.38E-03
629640	4278360	1.27E-02	0.94E-03	1.05E-02	5.72E-03	4.98E-04	4.92E-03	1.35E-02	1.37E-02	3.10E-03	3.81E-03	2.27E-03
629660	4278360	1.21E-02	0.90E-03	1.01E-02	5.48E-03	4.77E-04	4.71E-03	1.29E-02	1.31E-02	2.96E-03	3.64E-03	2.18E-03
629680	4278360	1.16E-02	0.85E-03	0.965E-03	5.25E-03	4.57E-04	4.51E-03	1.23E-02	1.25E-02	2.84E-03	3.49E-03	2.09E-03
629700	4278360	1.11E-02	0.80E-03	0.925E-03	5.03E-03	4.38E-04	4.32E-03	1.18E-02	1.20E-02	2.72E-03	3.35E-03	2.00E-03
629720	4278360	1.07E-02	0.79E-03	0.888E-03	4.83E-03	4.20E-04	4.15E-03	1.14E-02	1.15E-02	2.61E-03	3.21E-03	1.92E-03
629520	4278380	1.70E-02	1.27E-02	1.41E-02	7.68E-03	6.68E-04	6.59E-03	1.81E-02	1.83E-02	4.15E-03	5.10E-03	3.05E-03
629540	4278380	1.62E-02	1.21E-02	1.35E-02	7.32E-03	6.37E-04	6.28E-03	1.72E-02	1.75E-02	3.96E-03	4.86E-03	2.91E-03
629560	4278380	1.54E-02	1.15E-02	1.28E-02	6.97E-03	6.07E-04	5.99E-03	1.64E-02	1.66E-02	3.77E-03	4.64E-03	2.77E-03
629580	4278380	1.47E-02	1.10E-02	1.22E-02	6.65E-03	5.79E-04	5.71E-03	1.56E-02	1.59E-02	3.60E-03	4.42E-03	2.64E-03
629600	4278380	1.40E-02	1.05E-02	1.17E-02	6.34E-03	5.52E-04	5.45E-03	1.49E-02	1.51E-02	3.43E-03	4.22E-03	2.52E-03
629620	4278380	1.34E-02	0.98E-03	1.11E-02	6.06E-03	5.27E-04	5.20E-03	1.42E-02	1.44E-02	3.28E-03	4.03E-03	2.41E-03
629640	4278380	1.28E-02	0.94E-03	1.06E-02	5.79E-03	5.04E-04	4.97E-03	1.36E-02	1.38E-02	3.13E-03	3.85E-03	2.30E-03
629660	4278380	1.23E-02	0.91E-03	1.02E-02	5.53E-03	4.82E-04	4.75E-03	1.30E-02	1.32E-02	2.99E-03	3.68E-03	2.20E-03
629680	4278380	1.17E-02	0.87E-03	0.974E-03	5.30E-03	4.61E-04	4.55E-03	1.25E-02	1.26E-02	2.87E-03	3.52E-03	2.11E-03
629700	4278380	1.12E-02	0.837E-03	0.933E-03	5.07E-03	4.42E-04	4.36E-03	1.19E-02	1.21E-02	2.75E-03	3.37E-03	2.02E-03
629720	4278380	1.08E-02	0.802E-03	0.895E-03	4.87E-03	4.24E-04	4.18E-03	1.14E-02	1.16E-02	2.63E-03	3.24E-03	1.93E-03
629500	4278400	1.82E-02	1.36E-02	1.51E-02	8.23E-03	7.17E-04	7.07E-03	1.94E-02	1.96E-02	4.45E-03	5.47E-03	3.27E-03
629520	4278400	1.73E-02	1.29E-02	1.44E-02	7.82E-03	6.81E-04	6.72E-03	1.84E-02	1.87E-02	4.23E-03	5.20E-03	3.11E-03
629540	4278400	1.65E-02	1.23E-02	1.37E-02	7.44E-03	6.48E-04	6.39E-03	1.75E-02	1.77E-02	4.02E-03	4.95E-03	2.96E-03
629560	4278400	1.57E-02	1.17E-02	1.30E-02	7.08E-03	6.16E-04	6.08E-03	1.66E-02	1.69E-02	3.83E-03	4.71E-03	2.81E-03
629580	4278400	1.49E-02	1.11E-02	1.24E-02	6.74E-03	5.87E-04	5.79E-03	1.59E-02	1.61E-02	3.65E-03	4.48E-03	2.68E-03
629600	4278400	1.42E-02	1.06E-02	1.18E-02	6.42E-03	5.59E-04	5.51E-03	1.51E-02	1.53E-02	3.47E-03	4.27E-03	2.55E-03
629620	4278400	1.36E-02	1.01E-02	1.13E-02	6.12E-03	5.33E-04	5.26E-03	1.44E-02	1.46E-02	3.31E-03	4.07E-03	2.43E-03
629640	4278400	1.29E-02	0.964E-03	1.08E-02	5.85E-03	5.09E-04	5.02E-03	1.37E-02	1.39E-02	3.16E-03	3.89E-03	2.32E-03
629660	4278400	1.24E-02	0.921E-03	1.03E-02	5.59E-03	4.86E-04	4.80E-03	1.31E-02	1.33E-02	3.02E-03	3.71E-03	2.22E-03
629680	4278400	1.18E-02	0.881E-03	0.983E-03	5.34E-03	4.65E-04	4.59E-03	1.26E-02	1.27E-02	2.89E-03	3.55E-03	2.12E-03
629700	4278400	1.13E-02	0.843E-03	0.941E-03	5.12E-03	4.45E-04	4.39E-03	1.20E-02	1.22E-02	2.77E-03	3.40E-03	2.03E-03
629720	4278400	1.09E-02	0.808E-03	0.902E-03	4.90E-03	4.27E-04	4.21E-03	1.15E-02	1.17E-02	2.65E-03	3.26E-03	1.95E-03
629480	4278420	1.96E-02	1.46E-02	1.63E-02	8.87E-03	7.72E-04	7.62E-03	2.09E-02	2.12E-02	4.80E-03	5.90E-03	3.53E-03
629500	4278420	1.86E-02	1.38E-02	1.54E-02	8.40E-03	7.31E-04	7.21E-03	1.97E-02	2.00E-02	4.54E-03	5.58E-03	3.34E-03
629520	4278420	1.76E-02	1.31E-02	1.46E-02	7.96E-03	6.93E-04	6.84E-03	1.87E-02	1.90E-02	4.31E-03	5.29E-03	3.16E-03
629540	4278420	1.67E-02	1.25E-02	1.39E-02	7.56E-03	6.58E-04	6.49E-03	1.78E-02	1.80E-02	4.09E-03	5.02E-03	3.00E-03
629560	4278420	1.59E-02	1.18E-02	1.32E-02	7.18E-03	6.25E-04	6.17E-03	1.69E-02	1.71E-02	3.88E-03	4.77E-03	2.85E-03
629580	4278420	1.51E-02	1.13E-02	1.26E-02	6.83E-03	5.94E-04	5.86E-03	1.61E-02	1.63E-02	3.69E-03	4.54E-03	2.71E-03
629600	4278420	1.44E-02	1.07E-02	1.19E-02	6.50E-03	5.65E-04	5.58E-03	1.53E-02	1.55E-02	3.51E-03	4.32E-03	2.58E-03
629620	4278420	1.37E-02	1.02E-02	1.14E-02	6.19E-03	5.39E-04	5.32E-03	1.46E-02	1.48E-02	3.35E-03	4.11E-03	2.46E-03
629640	4278420	1.31E-02	0.973E-03	1.09E-02	5.90E-03	5.14E-04	5.07E-03	1.39E-02	1.41E-02	3.19E-03	3.92E-03	2.35E-03
629660	4278420	1.25E-02	0.929E-03	1.04E-02	5.64E-03	4.91E-04	4.84E-03	1.33E-02	1.34E-02	3.05E-03	3.75E-03	2.24E-03
629680	4278420	1.19E-02	0.888E-03	0.991E-03	5.39E-03	4.69E-04	4.63E-03	1.27E-02	1.29E-02	2.91E-03	3.58E-03	2.14E-03
629700	4278420	1.14E-02	0.850E-03	0.948E-03	5.16E-03	4.49E-04	4.43E-03	1.21E-02	1.23E-02	2.79E-03	3.43E-03	2.05E-03
629720	4278420	1.09E-02	0.815E-03	0.909E-03	4.94E-03	4.30E-04	4.24E-03	1.16E-02	1.18E-02	2.67E-03	3.28E-03	1.96E-03
629480	4278440	2.00E-02	1.49E-02	1.66E-02	9.04E-03	7.87E-04	7.76E-03	2.13E-02	2.16E-02	4.89E-03	6.01E-03	3.59E-03
629500	4278440	1.89E-02	1.41E-02	1.57E-02	8.55E-03	7.44E-04	7.34E-03	2.01E-02	2.04E-02	4.62E-03	5.68E-03	3.40E-03
629520	4278440	1.79E-02	1.33E-02	1.49E-02	8.09E-03	7.04E-04	6.95E-03	1.90E-02	1.93E-02	4.38E-03	5.38E-03	3.22E-03
629540	4278440	1.70E-02	1.26E-02	1.41E-02	7.67E-03	6.68E-04	6.59E-03	1.80E-02	1.83E-02	4.15E-03	5.10E-03	3.05E-03
629560	4278440	1.61E-02	1.20E-02	1.34E-02	7.27E-03	6.33E-04	6.25E-03	1.71E-02	1.74E-02	3.93E-03	4.84E-03	2.89E-03
629580	4278440	1.53E-02	1.14E-02	1.27E-02	6.91E-03	6.01E-04	5.93E-03	1.62E-02	1.65E-02	3.74E-03	4.59E-03	2.74E-03
629600	4278440	1.45E-02	1.08E-02	1.21E-02	6.57E-03	5.72E-04	5.64E-03	1.54E-02	1.57E-02	3.55E-03	4.36E-03	2.61E-03
629620	4278440	1.38E-02	1.03E-02	1.15E-02	6.25E-03	5.44E-04	5.37E-03	1.47E-02	1.49E-02	3.38E-03	4.16E-03	2.48E-03
629640	4278440	1.32E-02	0.982E-03	1.10E-02	5.96E-03	5.19E-04	5.12E-03	1.40E-02	1.42E-02	3.22E-03	3.96E-03	2.37E-03
629660	4278440	1.26E-02	0.937E-03	1.05E-02	5.68E-03	4.95E-04	4.88E-03	1.34E-02	1.36E-02	3.08E-03	3.78E-03	2.26E-03
629680	4											

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Campus										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
629600	4278480	1.48E-02	1.10E-02	1.23E-02	6.69E-03	5.83E-04	5.75E-03	1.57E-02	1.60E-02	3.62E-03	4.45E-03	2.66E-03
629620	4278480	1.41E-02	1.05E-02	1.17E-02	6.36E-03	5.54E-04	5.47E-03	1.50E-02	1.52E-02	3.44E-03	4.23E-03	2.53E-03
629640	4278480	1.34E-02	9.99E-03	1.11E-02	6.06E-03	5.28E-04	5.20E-03	1.43E-02	1.45E-02	3.28E-03	4.03E-03	2.41E-03
629660	4278480	1.28E-02	9.52E-03	1.06E-02	5.78E-03	5.03E-04	4.96E-03	1.36E-02	1.38E-02	3.13E-03	3.84E-03	2.30E-03
629680	4278480	1.22E-02	9.09E-03	1.01E-02	5.52E-03	4.80E-04	4.74E-03	1.30E-02	1.32E-02	2.98E-03	3.67E-03	2.19E-03
629700	4278480	1.17E-02	8.70E-03	9.70E-03	5.28E-03	4.59E-04	4.53E-03	1.24E-02	1.26E-02	2.85E-03	3.51E-03	2.10E-03
629720	4278480	1.12E-02	8.33E-03	9.29E-03	5.05E-03	4.40E-04	4.34E-03	1.19E-02	1.21E-02	2.73E-03	3.36E-03	2.01E-03
629740	4278500	2.40E-02	1.78E-02	1.99E-02	1.08E-02	9.43E-04	9.30E-03	2.55E-02	2.58E-02	5.86E-03	7.20E-03	4.30E-03
629760	4278500	2.24E-02	1.67E-02	1.86E-02	1.01E-02	8.82E-04	8.70E-03	2.38E-02	2.42E-02	5.49E-03	6.74E-03	4.03E-03
629780	4278500	2.11E-02	1.57E-02	1.75E-02	9.52E-03	8.29E-04	8.17E-03	2.24E-02	2.27E-02	5.15E-03	6.33E-03	3.78E-03
629800	4278500	1.98E-02	1.48E-02	1.65E-02	8.95E-03	7.79E-04	7.69E-03	2.11E-02	2.14E-02	4.84E-03	5.95E-03	3.56E-03
629820	4278500	1.87E-02	1.39E-02	1.55E-02	8.43E-03	7.34E-04	7.24E-03	1.98E-02	2.01E-02	4.56E-03	5.61E-03	3.35E-03
629840	4278500	1.76E-02	1.31E-02	1.46E-02	7.96E-03	6.93E-04	6.83E-03	1.87E-02	1.90E-02	4.30E-03	5.29E-03	3.16E-03
629860	4278500	1.67E-02	1.24E-02	1.38E-02	7.52E-03	6.50E-04	6.46E-03	1.77E-02	1.79E-02	4.07E-03	5.00E-03	2.99E-03
629880	4278500	1.58E-02	1.17E-02	1.31E-02	7.12E-03	6.20E-04	6.12E-03	1.67E-02	1.70E-02	3.85E-03	4.73E-03	2.83E-03
629900	4278500	1.50E-02	1.11E-02	1.24E-02	6.75E-03	5.88E-04	5.80E-03	1.59E-02	1.61E-02	3.65E-03	4.49E-03	2.68E-03
629920	4278500	1.42E-02	1.06E-02	1.18E-02	6.42E-03	5.59E-04	5.51E-03	1.51E-02	1.53E-02	3.47E-03	4.27E-03	2.55E-03
629940	4278500	1.35E-02	1.01E-02	1.12E-02	6.11E-03	5.32E-04	5.25E-03	1.44E-02	1.46E-02	3.30E-03	4.06E-03	2.43E-03
629960	4278500	1.29E-02	9.60E-03	1.07E-02	5.82E-03	5.07E-04	5.00E-03	1.37E-02	1.39E-02	3.15E-03	3.87E-03	2.31E-03
629980	4278500	1.23E-02	9.16E-03	1.02E-02	5.56E-03	4.84E-04	4.77E-03	1.31E-02	1.33E-02	3.01E-03	3.70E-03	2.21E-03
629700	4278500	1.18E-02	8.76E-03	9.77E-03	5.31E-03	4.63E-04	4.56E-03	1.25E-02	1.27E-02	2.87E-03	3.53E-03	2.11E-03
629720	4278500	1.13E-02	8.39E-03	9.35E-03	5.09E-03	4.43E-04	4.37E-03	1.20E-02	1.21E-02	2.75E-03	3.38E-03	2.02E-03
629740	4278520	2.62E-02	1.95E-02	2.18E-02	1.18E-02	1.03E-03	1.02E-02	2.78E-02	2.82E-02	6.40E-03	7.86E-03	4.70E-03
629760	4278520	2.44E-02	1.82E-02	2.02E-02	1.10E-02	9.59E-04	9.46E-03	2.59E-02	2.63E-02	5.96E-03	7.32E-03	4.38E-03
629780	4278520	2.28E-02	1.70E-02	1.89E-02	1.03E-02	8.96E-04	8.84E-03	2.42E-02	2.46E-02	5.57E-03	6.84E-03	4.09E-03
629800	4278520	2.14E-02	1.59E-02	1.77E-02	9.65E-03	8.40E-04	8.29E-03	2.27E-02	2.30E-02	5.22E-03	6.42E-03	3.84E-03
629820	4278520	2.01E-02	1.49E-02	1.67E-02	9.06E-03	7.89E-04	7.78E-03	2.13E-02	2.16E-02	4.90E-03	6.03E-03	3.60E-03
629840	4278520	1.89E-02	1.41E-02	1.57E-02	8.53E-03	7.43E-04	7.32E-03	2.01E-02	2.04E-02	4.61E-03	5.67E-03	3.39E-03
629860	4278520	1.78E-02	1.33E-02	1.48E-02	8.04E-03	7.00E-04	6.91E-03	1.89E-02	1.92E-02	4.35E-03	5.35E-03	3.20E-03
629880	4278520	1.68E-02	1.25E-02	1.40E-02	7.59E-03	6.61E-04	6.52E-03	1.79E-02	1.81E-02	4.11E-03	5.05E-03	3.02E-03
629900	4278520	1.59E-02	1.18E-02	1.32E-02	7.18E-03	6.25E-04	6.17E-03	1.69E-02	1.71E-02	3.89E-03	4.78E-03	2.86E-03
629920	4278520	1.51E-02	1.12E-02	1.25E-02	6.81E-03	5.93E-04	5.85E-03	1.60E-02	1.63E-02	3.69E-03	4.53E-03	2.71E-03
629940	4278520	1.43E-02	1.07E-02	1.19E-02	6.47E-03	5.63E-04	5.56E-03	1.52E-02	1.54E-02	3.50E-03	4.30E-03	2.57E-03
629960	4278520	1.36E-02	1.01E-02	1.13E-02	6.16E-03	5.36E-04	5.29E-03	1.45E-02	1.47E-02	3.33E-03	4.09E-03	2.45E-03
629980	4278520	1.30E-02	9.67E-03	1.08E-02	5.87E-03	5.11E-04	5.04E-03	1.38E-02	1.40E-02	3.17E-03	3.90E-03	2.33E-03
629680	4278520	1.24E-02	9.23E-03	1.03E-02	5.60E-03	4.87E-04	4.81E-03	1.32E-02	1.34E-02	3.03E-03	3.72E-03	2.23E-03
629700	4278520	1.18E-02	8.82E-03	9.84E-03	5.35E-03	4.66E-04	4.60E-03	1.26E-02	1.28E-02	2.89E-03	3.56E-03	2.13E-03
629720	4278520	1.13E-02	8.44E-03	9.42E-03	5.12E-03	4.46E-04	4.40E-03	1.20E-02	1.22E-02	2.77E-03	3.41E-03	2.04E-03
629740	4278540	2.67E-02	1.99E-02	2.22E-02	1.21E-02	1.05E-03	1.04E-02	2.84E-02	2.88E-02	6.53E-03	8.02E-03	4.80E-03
629760	4278540	2.48E-02	1.85E-02	2.06E-02	1.12E-02	9.75E-04	9.62E-03	2.63E-02	2.67E-02	6.06E-03	7.45E-03	4.45E-03
629780	4278540	2.31E-02	1.72E-02	1.92E-02	1.05E-02	9.10E-04	8.98E-03	2.46E-02	2.49E-02	5.66E-03	6.95E-03	4.15E-03
629800	4278540	2.16E-02	1.61E-02	1.80E-02	9.78E-03	8.51E-04	8.40E-03	2.30E-02	2.33E-02	5.29E-03	6.50E-03	3.89E-03
629820	4278540	2.03E-02	1.51E-02	1.69E-02	9.17E-03	7.98E-04	7.87E-03	2.16E-02	2.19E-02	4.96E-03	6.09E-03	3.64E-03
629840	4278540	1.91E-02	1.42E-02	1.58E-02	8.62E-03	7.50E-04	7.40E-03	2.03E-02	2.06E-02	4.66E-03	5.73E-03	3.42E-03
629860	4278540	1.80E-02	1.34E-02	1.49E-02	8.12E-03	7.07E-04	6.97E-03	1.91E-02	1.94E-02	4.39E-03	5.40E-03	3.23E-03
629880	4278540	1.70E-02	1.26E-02	1.41E-02	7.66E-03	6.67E-04	6.58E-03	1.80E-02	1.83E-02	4.14E-03	5.09E-03	3.05E-03
629900	4278540	1.60E-02	1.19E-02	1.33E-02	7.25E-03	6.31E-04	6.22E-03	1.70E-02	1.73E-02	3.92E-03	4.82E-03	2.88E-03
629920	4278540	1.52E-02	1.13E-02	1.26E-02	6.87E-03	5.98E-04	5.90E-03	1.62E-02	1.64E-02	3.72E-03	4.57E-03	2.73E-03
629940	4278540	1.44E-02	1.07E-02	1.20E-02	6.52E-03	5.68E-04	5.60E-03	1.53E-02	1.56E-02	3.53E-03	4.34E-03	2.59E-03
629960	4278540	1.37E-02	1.02E-02	1.14E-02	6.20E-03	5.40E-04	5.33E-03	1.46E-02	1.48E-02	3.36E-03	4.12E-03	2.47E-03
629980	4278540	1.31E-02	9.74E-03	1.09E-02	5.91E-03	5.14E-04	5.08E-03	1.39E-02	1.41E-02	3.20E-03	3.93E-03	2.35E-03
629680	4278540	1.25E-02	9.29E-03	1.04E-02	5.64E-03	4.91E-04	4.84E-03	1.33E-02	1.35E-02	3.05E-03	3.75E-03	2.24E-03
629700	4278540	1.19E-02	8.88E-03	9.91E-03	5.39E-03	4.64E-04	4.63E-03	1.27E-02	1.29E-02	2.91E-03	3.58E-03	2.14E-03
629720	4278540	1.14E-02	8.50E-03	9.48E-03	5.16E-03	4.49E-04	4.43E-03	1.21E-02	1.23E-02	2.79E-03	3.43E-03	2.05E-03
629740	4278560	2.35E-02	1.75E-02	1.95E-02	1.06E-02	9.12E-04	9.10E-03	2.49E-02	2.53E-02	5.73E-03	7.04E-03	4.21E-03
629760	4278560	2.19E-02	1.63E-02	1.82E-02	9.89E-03	8.61E-04	8.49E-03	2.33E-02	2.36E-02	5.35E-03	6.58E-03	3.93E-03
629780	4278560	2.05E-02	1.53E-02	1.70E-02	9.27E-03	8.07E-04	7.96E-03	2.18E-02	2.21E-02	5.01E-03	6.16E-03	3.68E-03
629800	4278560	1.93E-02	1.43E-02	1.60E-02	8.70E-03	7.57E-04	7.47E-03	2.05E-02	2.08E-02	4.71E-03	5.78E-03	3.46E-03
629820	4278560	1.81E-02	1.35E-02	1.51E-02	8.19E-03	7.13E-04	7.03E-03	1.93E-02	1.95E-02	4.43E-03	5.44E-03	3.26E-03
629840	4278560	1.71E-02	1.27E-02	1.42E-02	7.73E-03	6.73E-04	6.63E-03	1.82E-02	1.84E-02	4.18E-03	5.14E-03	3.07E-03
629860	4278560	1.62E-02	1.20E-02	1.34E-02	7.30E-03	6.36E-04	6.27E-03	1.72E-02	1.74E-02	3.95E-03	4.85E-03	2.90E-03
629880	4278560	1.53E-02	1.14E-02	1.27E-02	6.92E-03	6.02E-04	5.94E-03	1.63E-02	1.65E-02	3.74E-03	4.60E-03	2.75E-03
629900	4278560	1.45E-02	1.08E-02	1.21E-02	6.57E-03	5.72E-04	5.64E-03	1.55E-02	1.57E-02	3.55E-03	4.37E-03	2.61E-03
629920	4278560	1.38E-02	1.03E-02	1.15E-02	6.25E-03	5.44E-04	5.37E-03	1.47E-02	1.49E-02	3.38E-03	4.15E-03	2.48E-03
629940	4278560	1.32E-02	9.81E-03	1.09E-02	5.95E-03	5.18E-04	5.11E-03	1.40E-02	1.42E-02	3.22E-03	3.96E-03	2.37E-03
629960	4278560	1.26E-02	9.36E-03	1.04E-02	5.68E-03	4.94E-04	4.87E-03	1.33E-02	1.35E-02	3.07E-03	3.77E-03	2.26E-03
629700	4278560	1.20E-02	8.94E-03	9.97E-03	5.42E-03	4.72E-04	4.66E-03	1.28E-02	1.29E-02	2.93E-03	3.60E-03	2.16E-03
629720	4278560	1.15E-02	8.55E-03	9.54E-03	5.19E-03	4.52E-04	4.46E-03	1.22E-02	1.24E-02	2.81E-03	3.45E-03	2.06E-03
629740	4278580	2.21E-02	1.65E-02	1.84E-02	1.00E-02	8.71E-04	8.59E-03	2.35E-02	2.39E-02	5.41E-03	6.65E-03	3.97E-03
629760	4278580	2.07E-02	1.54E-02	1.72E-02	9.35E-03	8.14E-04	8.03E-03	2.20E-02	2.23E-02	5.06E-03	6.22E-03	3.72E-03
629780	4278580	1.94E-02	1.45E-02	1.								

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Campus										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
629180	4278220	2.18E-02	1.63E-02	1.81E-02	9.86E-03	8.58E-04	8.47E-03	2.32E-02	2.35E-02	5.33E-03	6.56E-03	3.92E-03
629100	4278240	2.32E-02	1.73E-02	1.93E-02	1.05E-02	9.11E-04	8.99E-03	2.46E-02	2.50E-02	5.66E-03	6.96E-03	4.16E-03
629120	4278240	2.33E-02	1.74E-02	1.94E-02	1.05E-02	9.16E-04	9.04E-03	2.48E-02	2.51E-02	5.69E-03	7.00E-03	4.18E-03
629140	4278240	2.34E-02	1.74E-02	1.94E-02	1.06E-02	9.19E-04	9.07E-03	2.48E-02	2.52E-02	5.71E-03	7.02E-03	4.20E-03
629160	4278240	2.34E-02	1.74E-02	1.94E-02	1.05E-02	9.18E-04	9.06E-03	2.48E-02	2.52E-02	5.71E-03	7.01E-03	4.19E-03
629180	4278240	2.33E-02	1.73E-02	1.93E-02	1.05E-02	9.15E-04	9.02E-03	2.47E-02	2.51E-02	5.68E-03	6.98E-03	4.18E-03
629200	4278240	2.31E-02	1.72E-02	1.92E-02	1.04E-02	9.07E-04	8.95E-03	2.45E-02	2.49E-02	5.63E-03	6.92E-03	4.14E-03
629220	4278240	2.28E-02	1.70E-02	1.89E-02	1.03E-02	8.97E-04	8.85E-03	2.42E-02	2.46E-02	5.57E-03	6.85E-03	4.09E-03
629240	4278240	2.25E-02	1.67E-02	1.87E-02	1.01E-02	8.84E-04	8.72E-03	2.39E-02	2.42E-02	5.49E-03	6.75E-03	4.03E-03
629260	4278240	2.21E-02	1.64E-02	1.83E-02	9.98E-03	8.69E-04	8.57E-03	2.35E-02	2.38E-02	5.40E-03	6.63E-03	3.97E-03
629280	4278240	2.16E-02	1.61E-02	1.80E-02	9.77E-03	8.50E-04	8.39E-03	2.30E-02	2.33E-02	5.28E-03	6.49E-03	3.88E-03
629300	4278240	2.11E-02	1.57E-02	1.75E-02	9.53E-03	8.30E-04	8.18E-03	2.24E-02	2.27E-02	5.16E-03	6.34E-03	3.79E-03
629320	4278240	2.06E-02	1.53E-02	1.71E-02	9.30E-03	8.09E-04	7.99E-03	2.19E-02	2.22E-02	5.03E-03	6.18E-03	3.70E-03
629140	4278260	2.51E-02	1.87E-02	2.09E-02	1.13E-02	9.88E-04	9.74E-03	2.67E-02	2.71E-02	6.14E-03	7.54E-03	4.51E-03
629160	4278260	2.50E-02	1.86E-02	2.08E-02	1.13E-02	9.84E-04	9.70E-03	2.66E-02	2.70E-02	6.11E-03	7.51E-03	4.49E-03
629180	4278260	2.48E-02	1.85E-02	2.06E-02	1.12E-02	9.77E-04	9.64E-03	2.64E-02	2.68E-02	6.07E-03	7.46E-03	4.46E-03
629200	4278260	2.46E-02	1.83E-02	2.04E-02	1.11E-02	9.66E-04	9.53E-03	2.61E-02	2.65E-02	6.01E-03	7.38E-03	4.41E-03
629220	4278260	2.42E-02	1.80E-02	2.01E-02	1.09E-02	9.53E-04	9.40E-03	2.57E-02	2.61E-02	5.92E-03	7.28E-03	4.35E-03
629240	4278260	2.38E-02	1.77E-02	1.98E-02	1.08E-02	9.36E-04	9.24E-03	2.53E-02	2.57E-02	5.82E-03	7.15E-03	4.27E-03
629260	4278260	2.33E-02	1.74E-02	1.94E-02	1.05E-02	9.17E-04	9.05E-03	2.48E-02	2.51E-02	5.70E-03	7.01E-03	4.19E-03
629280	4278260	2.28E-02	1.70E-02	1.89E-02	1.03E-02	8.96E-04	8.84E-03	2.42E-02	2.46E-02	5.57E-03	6.84E-03	4.09E-03
629300	4278260	2.22E-02	1.65E-02	1.84E-02	1.00E-02	8.72E-04	8.60E-03	2.35E-02	2.39E-02	5.42E-03	6.66E-03	3.98E-03
629320	4278260	2.16E-02	1.61E-02	1.79E-02	9.74E-03	8.48E-04	8.36E-03	2.29E-02	2.32E-02	5.27E-03	6.47E-03	3.87E-03
629340	4278260	2.09E-02	1.56E-02	1.73E-02	9.43E-03	8.21E-04	8.10E-03	2.22E-02	2.25E-02	5.10E-03	6.27E-03	3.75E-03
629360	4278260	2.02E-02	1.50E-02	1.68E-02	9.11E-03	7.93E-04	7.83E-03	2.14E-02	2.17E-02	4.93E-03	6.06E-03	3.62E-03
629380	4278260	1.95E-02	1.45E-02	1.62E-02	8.79E-03	7.66E-04	7.55E-03	2.07E-02	2.10E-02	4.76E-03	5.85E-03	3.50E-03
629400	4278260	1.88E-02	1.40E-02	1.56E-02	8.48E-03	7.38E-04	7.28E-03	1.99E-02	2.02E-02	4.58E-03	5.63E-03	3.37E-03
629420	4278260	1.81E-02	1.35E-02	1.50E-02	8.16E-03	7.10E-04	7.01E-03	1.92E-02	1.95E-02	4.41E-03	5.42E-03	3.24E-03
629440	4278260	1.74E-02	1.29E-02	1.44E-02	7.85E-03	6.83E-04	6.74E-03	1.85E-02	1.87E-02	4.25E-03	5.22E-03	3.12E-03
629460	4278260	1.67E-02	1.24E-02	1.39E-02	7.54E-03	6.57E-04	6.48E-03	1.77E-02	1.80E-02	4.08E-03	5.01E-03	3.00E-03
629480	4278260	2.69E-02	2.00E-02	2.23E-02	1.21E-02	1.06E-03	1.04E-02	2.85E-02	2.89E-02	6.56E-03	8.06E-03	4.82E-03
629180	4278280	2.66E-02	1.98E-02	2.21E-02	1.20E-02	1.04E-03	1.03E-02	2.82E-02	2.86E-02	6.49E-03	7.97E-03	4.77E-03
629200	4278280	2.62E-02	1.95E-02	2.18E-02	1.18E-02	1.03E-03	1.02E-02	2.79E-02	2.83E-02	6.41E-03	7.88E-03	4.71E-03
629220	4278280	2.58E-02	1.92E-02	2.14E-02	1.17E-02	1.02E-03	1.00E-02	2.74E-02	2.78E-02	6.31E-03	7.75E-03	4.63E-03
629240	4278280	2.53E-02	1.88E-02	2.10E-02	1.14E-02	9.95E-04	9.81E-03	2.69E-02	2.73E-02	6.18E-03	7.60E-03	4.54E-03
629260	4278280	2.47E-02	1.84E-02	2.05E-02	1.12E-02	9.71E-04	9.58E-03	2.62E-02	2.66E-02	6.04E-03	7.42E-03	4.43E-03
629280	4278280	2.40E-02	1.79E-02	2.00E-02	1.09E-02	9.45E-04	9.33E-03	2.55E-02	2.59E-02	5.87E-03	7.22E-03	4.32E-03
629300	4278280	2.33E-02	1.74E-02	1.94E-02	1.05E-02	9.17E-04	9.04E-03	2.48E-02	2.51E-02	5.70E-03	7.00E-03	4.18E-03
629320	4278280	2.26E-02	1.68E-02	1.88E-02	1.02E-02	8.88E-04	8.76E-03	2.40E-02	2.43E-02	5.52E-03	6.78E-03	4.05E-03
629340	4278280	2.18E-02	1.63E-02	1.81E-02	9.86E-03	8.58E-04	8.47E-03	2.32E-02	2.35E-02	5.33E-03	6.55E-03	3.92E-03
629360	4278280	2.10E-02	1.57E-02	1.75E-02	9.50E-03	8.27E-04	8.16E-03	2.23E-02	2.27E-02	5.14E-03	6.31E-03	3.78E-03
629380	4278280	2.02E-02	1.51E-02	1.68E-02	9.14E-03	7.96E-04	7.85E-03	2.15E-02	2.18E-02	4.95E-03	6.08E-03	3.63E-03
629400	4278280	1.95E-02	1.45E-02	1.62E-02	8.79E-03	7.65E-04	7.55E-03	2.07E-02	2.10E-02	4.76E-03	5.85E-03	3.49E-03
629420	4278280	1.87E-02	1.39E-02	1.55E-02	8.44E-03	7.35E-04	7.25E-03	1.99E-02	2.01E-02	4.57E-03	5.61E-03	3.35E-03
629440	4278280	1.79E-02	1.34E-02	1.49E-02	8.10E-03	7.05E-04	6.96E-03	1.91E-02	1.93E-02	4.38E-03	5.39E-03	3.22E-03
629460	4278280	1.72E-02	1.28E-02	1.43E-02	7.77E-03	6.77E-04	6.68E-03	1.83E-02	1.85E-02	4.20E-03	5.17E-03	3.09E-03
629480	4278280	1.65E-02	1.23E-02	1.37E-02	7.46E-03	6.49E-04	6.41E-03	1.75E-02	1.78E-02	4.04E-03	4.96E-03	2.97E-03
629500	4278280	1.59E-02	1.18E-02	1.32E-02	7.17E-03	6.24E-04	6.16E-03	1.69E-02	1.71E-02	3.88E-03	4.77E-03	2.85E-03
629200	4278300	2.80E-02	2.08E-02	2.33E-02	1.26E-02	1.10E-03	1.09E-02	2.97E-02	3.02E-02	6.84E-03	8.41E-03	5.03E-03
629220	4278300	2.75E-02	2.04E-02	2.28E-02	1.24E-02	1.08E-03	1.06E-02	2.92E-02	2.96E-02	6.71E-03	8.24E-03	4.93E-03
629240	4278300	2.69E-02	2.00E-02	2.23E-02	1.21E-02	1.06E-03	1.04E-02	2.85E-02	2.89E-02	6.56E-03	8.06E-03	4.82E-03
629260	4278300	2.61E-02	1.95E-02	2.17E-02	1.18E-02	1.03E-03	1.01E-02	2.78E-02	2.82E-02	6.38E-03	7.85E-03	4.69E-03
629280	4278300	2.54E-02	1.89E-02	2.11E-02	1.15E-02	9.97E-04	9.84E-03	2.69E-02	2.73E-02	6.20E-03	7.61E-03	4.55E-03
629300	4278300	2.45E-02	1.82E-02	2.03E-02	1.11E-02	9.63E-04	9.50E-03	2.60E-02	2.64E-02	5.98E-03	7.35E-03	4.40E-03
629320	4278300	2.37E-02	1.76E-02	1.97E-02	1.07E-02	9.31E-04	9.18E-03	2.51E-02	2.55E-02	5.78E-03	7.11E-03	4.25E-03
629340	4278300	2.28E-02	1.70E-02	1.89E-02	1.03E-02	8.97E-04	8.85E-03	2.42E-02	2.46E-02	5.57E-03	6.85E-03	3.99E-03
629360	4278300	2.19E-02	1.63E-02	1.82E-02	9.90E-03	8.62E-04	8.51E-03	2.33E-02	2.36E-02	5.36E-03	6.58E-03	3.94E-03
629380	4278300	2.10E-02	1.57E-02	1.75E-02	9.50E-03	8.27E-04	8.16E-03	2.24E-02	2.27E-02	5.14E-03	6.32E-03	3.78E-03
629400	4278300	2.02E-02	1.50E-02	1.68E-02	9.11E-03	7.93E-04	7.83E-03	2.14E-02	2.17E-02	4.93E-03	6.06E-03	3.62E-03
629420	4278300	1.93E-02	1.44E-02	1.61E-02	8.73E-03	7.60E-04	7.50E-03	2.05E-02	2.08E-02	4.72E-03	5.80E-03	3.47E-03
629440	4278300	1.85E-02	1.38E-02	1.54E-02	8.36E-03	7.27E-04	7.18E-03	1.97E-02	1.99E-02	4.52E-03	5.56E-03	3.32E-03
629460	4278300	1.77E-02	1.32E-02	1.47E-02	8.01E-03	6.97E-04	6.88E-03	1.88E-02	1.91E-02	4.33E-03	5.32E-03	3.18E-03
629480	4278300	1.70E-02	1.26E-02	1.41E-02	7.67E-03	6.68E-04	6.59E-03	1.80E-02	1.83E-02	4.15E-03	5.10E-03	3.05E-03
629500	4278300	1.63E-02	1.21E-02	1.35E-02	7.35E-03	6.40E-04	6.31E-03	1.73E-02	1.75E-02	3.97E-03	4.88E-03	2.92E-03
629250	4278320	1.56E-02	1.16E-02	1.30E-02	7.05E-03	6.14E-04	6.05E-03	1.66E-02	1.68E-02	3.81E-03	4.69E-03	2.80E-03
629270	4278320	1.50E-02	1.10E-02	1.24E-02	6.75E-03	5.87E-04	5.78E-03	1.59E-02	1.61E-02	3.64E-03	4.50E-03	2.69E-03
629290	4278320	1.44E-02	1.04E-02	1.18E-02	6.45E-03	5.60E-04	5.51E-03	1.52E-02	1.54E-02	3.47E-03	4.31E-03	2.58E-03
629310	4278320	1.38E-02	9.9E-03	1.12E-02	6.13E-03	5.33E-04	5.24E-03	1.45E-02	1.47E-02	3.30E-03	4.12E-03	2.47E-03
629330	4278320	1.32E-02	9.4E-03	1.06E-02	5.81E-03	5.05E-04	4.96E-03	1.38E-02	1.40E-02	3.13E-03	3.93E-03	2.36E-03
629350	4278320	1.26E-02	8.9E-03	1.00E-02	5.49E-03	4.77E-04	4.68E-03	1.31E-02	1.33E-02	2.96E-03	3.74E-03	2.25E-03
629370	4278320	1.20E-02	8.4E-03	9.5E-0								

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Campus										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
629440	4278360	2.02E-02	1.51E-02	1.68E-02	9.14E-03	7.95E-04	7.85E-03	2.15E-02	2.18E-02	4.94E-03	6.07E-03	3.63E-03
629460	4278360	1.92E-02	1.43E-02	1.60E-02	8.69E-03	7.56E-04	7.46E-03	2.04E-02	2.07E-02	4.70E-03	5.78E-03	3.45E-03
629480	4278360	1.83E-02	1.36E-02	1.52E-02	8.27E-03	7.20E-04	7.11E-03	1.95E-02	1.97E-02	4.48E-03	5.50E-03	3.29E-03
629500	4278360	1.75E-02	1.30E-02	1.45E-02	7.91E-03	6.88E-04	6.79E-03	1.86E-02	1.89E-02	4.28E-03	5.26E-03	3.14E-03
629140	4278380	3.96E-02	2.95E-02	3.29E-02	1.79E-02	1.56E-03	1.54E-02	4.21E-02	4.27E-02	9.69E-03	1.19E-02	7.12E-03
629160	4278380	3.88E-02	2.89E-02	3.23E-02	1.75E-02	1.53E-03	1.51E-02	4.13E-02	4.18E-02	9.49E-03	1.17E-02	6.97E-03
629180	4278380	3.79E-02	2.82E-02	3.15E-02	1.71E-02	1.49E-03	1.47E-02	4.03E-02	4.08E-02	9.26E-03	1.14E-02	6.80E-03
629200	4278380	3.68E-02	2.74E-02	3.06E-02	1.66E-02	1.45E-03	1.43E-02	3.91E-02	3.96E-02	9.05E-03	1.10E-02	6.60E-03
629280	4278380	3.14E-02	2.34E-02	2.61E-02	1.42E-02	1.23E-03	1.22E-02	3.34E-02	3.38E-02	7.67E-03	9.43E-03	5.64E-03
629300	4278380	2.99E-02	2.23E-02	2.48E-02	1.35E-02	1.18E-03	1.16E-02	3.18E-02	3.22E-02	7.31E-03	8.98E-03	5.37E-03
629320	4278380	2.85E-02	2.12E-02	2.36E-02	1.29E-02	1.12E-03	1.10E-02	3.02E-02	3.07E-02	6.95E-03	8.55E-03	5.11E-03
629340	4278380	2.70E-02	2.01E-02	2.25E-02	1.22E-02	1.06E-03	1.05E-02	2.87E-02	2.91E-02	6.61E-03	8.12E-03	4.86E-03
629360	4278380	2.56E-02	1.91E-02	2.13E-02	1.16E-02	1.01E-03	9.95E-03	2.72E-02	2.76E-02	6.27E-03	7.70E-03	4.60E-03
629380	4278380	2.43E-02	1.81E-02	2.02E-02	1.10E-02	9.56E-04	9.43E-03	2.58E-02	2.62E-02	5.94E-03	7.30E-03	4.37E-03
629400	4278380	2.31E-02	1.72E-02	1.92E-02	1.04E-02	9.07E-04	8.95E-03	2.45E-02	2.49E-02	5.64E-03	6.93E-03	4.14E-03
629420	4278380	2.19E-02	1.63E-02	1.82E-02	9.90E-03	8.62E-04	8.50E-03	2.33E-02	2.36E-02	5.35E-03	6.58E-03	3.93E-03
629440	4278380	2.08E-02	1.55E-02	1.73E-02	9.39E-03	8.18E-04	8.07E-03	2.21E-02	2.24E-02	5.08E-03	6.25E-03	3.73E-03
629460	4278380	1.98E-02	1.47E-02	1.64E-02	8.93E-03	7.77E-04	7.67E-03	2.10E-02	2.13E-02	4.83E-03	5.93E-03	3.55E-03
629480	4278380	1.88E-02	1.40E-02	1.56E-02	8.49E-03	7.39E-04	7.29E-03	2.00E-02	2.03E-02	4.59E-03	5.64E-03	3.37E-03
629180	4278400	4.09E-02	3.04E-02	3.39E-02	1.85E-02	1.61E-03	1.58E-02	4.34E-02	4.40E-02	9.98E-03	1.23E-02	7.33E-03
629200	4278400	3.95E-02	2.94E-02	3.28E-02	1.78E-02	1.55E-03	1.53E-02	4.20E-02	4.26E-02	9.65E-03	1.19E-02	7.09E-03
629220	4278400	3.80E-02	2.83E-02	3.16E-02	1.72E-02	1.50E-03	1.48E-02	4.04E-02	4.10E-02	9.30E-03	1.14E-02	6.83E-03
629240	4278400	3.14E-02	2.34E-02	2.61E-02	1.42E-02	1.24E-03	1.22E-02	3.34E-02	3.39E-02	7.68E-03	9.43E-03	5.64E-03
629260	4278400	2.98E-02	2.22E-02	2.47E-02	1.35E-02	1.17E-03	1.16E-02	3.16E-02	3.21E-02	7.28E-03	8.94E-03	5.35E-03
629280	4278400	2.82E-02	2.10E-02	2.34E-02	1.27E-02	1.11E-03	1.09E-02	3.00E-02	3.04E-02	6.89E-03	8.47E-03	5.06E-03
629300	4278400	2.66E-02	1.98E-02	2.21E-02	1.20E-02	1.05E-03	1.03E-02	2.83E-02	2.87E-02	6.51E-03	8.00E-03	4.78E-03
629320	4278400	2.52E-02	1.87E-02	2.09E-02	1.14E-02	9.90E-04	9.76E-03	2.67E-02	2.71E-02	6.15E-03	7.56E-03	4.52E-03
629340	4278400	2.38E-02	1.77E-02	1.98E-02	1.08E-02	9.36E-04	9.24E-03	2.53E-02	2.57E-02	5.82E-03	7.15E-03	4.28E-03
629360	4278400	2.25E-02	1.68E-02	1.87E-02	1.02E-02	8.86E-04	8.74E-03	2.39E-02	2.43E-02	5.51E-03	6.77E-03	4.05E-03
629440	4278400	2.13E-02	1.59E-02	1.77E-02	9.64E-03	8.39E-04	8.28E-03	2.27E-02	2.30E-02	5.21E-03	6.41E-03	3.83E-03
629460	4278400	2.02E-02	1.51E-02	1.68E-02	9.14E-03	7.96E-04	7.85E-03	2.15E-02	2.18E-02	4.95E-03	6.08E-03	3.63E-03
629180	4278420	4.42E-02	3.29E-02	3.67E-02	2.00E-02	1.74E-03	1.72E-02	4.70E-02	4.77E-02	1.08E-02	1.33E-02	7.94E-03
629200	4278420	4.24E-02	3.16E-02	3.52E-02	1.92E-02	1.67E-03	1.65E-02	4.51E-02	4.57E-02	1.04E-02	1.27E-02	7.62E-03
629220	4278420	4.07E-02	3.03E-02	3.38E-02	1.84E-02	1.60E-03	1.58E-02	4.32E-02	4.38E-02	9.94E-03	1.22E-02	7.30E-03
629240	4278420	3.88E-02	2.89E-02	3.22E-02	1.75E-02	1.53E-03	1.51E-02	4.12E-02	4.18E-02	9.48E-03	1.17E-02	6.97E-03
629300	4278420	3.30E-02	2.46E-02	2.74E-02	1.49E-02	1.30E-03	1.28E-02	3.51E-02	3.56E-02	8.07E-03	9.92E-03	5.93E-03
629320	4278420	3.11E-02	2.32E-02	2.59E-02	1.41E-02	1.22E-03	1.21E-02	3.31E-02	3.36E-02	7.61E-03	9.35E-03	5.59E-03
629340	4278420	2.94E-02	2.19E-02	2.44E-02	1.33E-02	1.15E-03	1.14E-02	3.12E-02	3.17E-02	7.18E-03	8.82E-03	5.27E-03
629360	4278420	2.76E-02	2.06E-02	2.30E-02	1.25E-02	1.09E-03	1.07E-02	2.94E-02	2.98E-02	6.76E-03	8.30E-03	4.96E-03
629380	4278420	2.60E-02	1.94E-02	2.16E-02	1.18E-02	1.02E-03	1.01E-02	2.77E-02	2.81E-02	6.36E-03	7.82E-03	4.67E-03
629400	4278420	2.46E-02	1.83E-02	2.04E-02	1.11E-02	9.66E-04	9.53E-03	2.61E-02	2.65E-02	6.00E-03	7.37E-03	4.41E-03
629420	4278420	2.32E-02	1.73E-02	1.93E-02	1.05E-02	9.11E-04	8.99E-03	2.46E-02	2.50E-02	5.66E-03	6.96E-03	4.16E-03
629440	4278420	2.19E-02	1.63E-02	1.82E-02	9.89E-03	8.61E-04	8.49E-03	2.33E-02	2.36E-02	5.35E-03	6.57E-03	3.93E-03
629460	4278420	2.08E-02	1.55E-02	1.72E-02	9.38E-03	8.16E-04	8.05E-03	2.21E-02	2.24E-02	5.07E-03	6.23E-03	3.73E-03
629180	4278440	4.79E-02	3.56E-02	3.97E-02	2.16E-02	1.88E-03	1.86E-02	5.08E-02	5.16E-02	1.17E-02	1.44E-02	8.59E-03
629200	4278440	4.57E-02	3.41E-02	3.80E-02	2.07E-02	1.80E-03	1.77E-02	4.86E-02	4.93E-02	1.12E-02	1.37E-02	8.21E-03
629220	4278440	4.35E-02	3.24E-02	3.61E-02	1.97E-02	1.71E-03	1.69E-02	4.62E-02	4.69E-02	1.06E-02	1.31E-02	7.81E-03
629240	4278440	4.14E-02	3.08E-02	3.43E-02	1.87E-02	1.63E-03	1.60E-02	4.39E-02	4.46E-02	1.01E-02	1.24E-02	7.42E-03
629260	4278440	3.91E-02	2.91E-02	3.25E-02	1.77E-02	1.54E-03	1.52E-02	4.15E-02	4.21E-02	9.55E-03	1.17E-02	7.02E-03
629280	4278440	3.76E-02	2.82E-02	3.16E-02	1.70E-02	1.48E-03	1.46E-02	3.94E-02	3.99E-02	9.17E-03	1.13E-02	6.73E-03
629300	4278440	3.60E-02	2.72E-02	3.05E-02	1.63E-02	1.42E-03	1.40E-02	3.74E-02	3.79E-02	8.79E-03	1.09E-02	6.44E-03
629320	4278440	3.45E-02	2.62E-02	2.94E-02	1.55E-02	1.36E-03	1.34E-02	3.54E-02	3.59E-02	8.41E-03	1.05E-02	6.15E-03
629340	4278440	3.29E-02	2.52E-02	2.83E-02	1.47E-02	1.30E-03	1.28E-02	3.34E-02	3.39E-02	8.03E-03	1.01E-02	5.86E-03
629360	4278440	3.14E-02	2.42E-02	2.72E-02	1.40E-02	1.24E-03	1.22E-02	3.14E-02	3.19E-02	7.65E-03	9.63E-03	5.57E-03
629380	4278440	2.98E-02	2.31E-02	2.60E-02	1.32E-02	1.18E-03	1.16E-02	2.94E-02	2.99E-02	7.27E-03	9.14E-03	5.28E-03
629400	4278440	2.82E-02	2.20E-02	2.48E-02	1.24E-02	1.12E-03	1.10E-02	2.74E-02	2.79E-02	6.89E-03	8.64E-03	5.00E-03
629420	4278440	2.66E-02	2.09E-02	2.36E-02	1.16E-02	1.06E-03	1.04E-02	2.54E-02	2.59E-02	6.51E-03	8.15E-03	4.71E-03
629440	4278440	2.52E-02	1.98E-02	2.24E-02	1.08E-02	1.00E-03	9.88E-03	2.34E-02	2.39E-02	6.13E-03	7.66E-03	4.42E-03
629460	4278440	2.38E-02	1.87E-02	2.13E-02	1.00E-02	9.49E-04	9.37E-03	2.14E-02	2.19E-02	5.75E-03	7.17E-03	4.13E-03
629480	4278440	2.25E-02	1.77E-02	2.02E-02	9.49E-03	9.10E-04	8.98E-03	1.94E-02	1.99E-02	5.37E-03	6.68E-03	3.84E-03
629180	4278460	4.67E-02	3.47E-02	3.88E-02	2.11E-02	1.84E-03	1.81E-02	4.96E-02	5.03E-02	1.14E-02	1.40E-02	8.38E-03
629200	4278460	4.41E-02	3.28E-02	3.65E-02	1.99E-02	1.73E-03	1.71E-02	4.68E-02	4.75E-02	1.08E-02	1.32E-02	7.91E-03
629220	4278460	4.15E-02	3.09E-02	3.44E-02	1.87E-02	1.63E-03	1.61E-02	4.40E-02	4.47E-02	1.01E-02	1.24E-02	7.44E-03
629240	4278460	3.18E-02	2.36E-02	2.64E-02	1.43E-02	1.25E-03	1.23E-02	3.37E-02	3.42E-02	7.76E-03	9.54E-03	5.70E-03
629260	4278460	2.97E-02	2.21E-02	2.47E-02	1.34E-02	1.17E-03	1.15E-02	3.15E-02	3.20E-02	7.25E-03	8.91E-03	5.33E-03
629280	4278460	2.78E-02	2.07E-02	2.31E-02	1.26E-02	1.09E-03	1.08E-02	2.95E-02	2.99E-02	6.79E-03	8.34E-03	4.99E-03
629300	4278460	2.60E-02	1.94E-02	2.16E-02	1.18E-02	1.02E-03	1.01E-02	2.77E-02	2.81E-02	6.36E-03	7.82E-03	4.67E-03
629320	4278460	2.44E-02	1.82E-02	2.03E-02	1.10E-02	9.60E-04	9.47E-03	2.59E-02	2.63E-02	5.97E-03	7.33E-03	4.38E-03
629180	4278480	5.63E-02	4.20E-02	4.68E-02	2.55E-02	2.22E-03	2.19E-02	5.99E-02	6.07E-02	1.38E-02	1.69E-02	1.01E-02
629200	4278480	5.32E-02	3.96E-02	4.42E-02	2.40E-02	2.09E-03	2.06E-02	5.65E-02	5.73E-02	1.30E-02	1.60E-02	9.55E-03
629220	4278480	5.01E-02	3.73E-02	4.16E-02								

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Campus										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
628480	4278740	1.33E-02	9.18E-03	1.02E-02	5.57E-03	4.85E-04	4.78E-03	1.31E-02	1.33E-02	3.01E-03	3.70E-03	2.21E-03
628500	4278740	1.36E-02	1.01E-02	1.13E-02	6.14E-03	5.34E-04	5.27E-03	1.44E-02	1.46E-02	3.32E-03	4.08E-03	2.44E-03
628460	4278760	1.15E-02	8.60E-03	9.59E-03	5.21E-03	4.54E-04	4.48E-03	1.23E-02	1.24E-02	2.82E-03	3.47E-03	2.07E-03
628480	4278760	1.27E-02	9.43E-03	1.05E-02	5.72E-03	4.98E-04	4.91E-03	1.35E-02	1.37E-02	3.10E-03	3.80E-03	2.27E-03
628500	4278760	1.40E-02	1.04E-02	1.16E-02	6.33E-03	5.51E-04	5.44E-03	1.49E-02	1.51E-02	3.42E-03	4.21E-03	2.52E-03
628520	4278760	1.56E-02	1.16E-02	1.30E-02	7.07E-03	6.15E-04	6.07E-03	1.66E-02	1.69E-02	3.82E-03	4.70E-03	2.81E-03
628440	4278780	1.08E-02	8.07E-03	9.00E-03	4.90E-03	4.26E-04	4.20E-03	1.15E-02	1.17E-02	2.65E-03	3.25E-03	1.95E-03
628460	4278780	1.18E-02	8.82E-03	9.84E-03	5.35E-03	4.66E-04	4.60E-03	1.26E-02	1.28E-02	2.90E-03	3.56E-03	2.13E-03
628480	4278780	1.31E-02	9.72E-03	1.08E-02	5.90E-03	5.13E-04	5.06E-03	1.39E-02	1.41E-02	3.19E-03	3.92E-03	2.34E-03
628500	4278780	1.45E-02	1.08E-02	1.20E-02	6.54E-03	5.69E-04	5.61E-03	1.54E-02	1.56E-02	3.54E-03	4.35E-03	2.60E-03
628520	4278780	1.62E-02	1.21E-02	1.35E-02	7.33E-03	6.38E-04	6.29E-03	1.72E-02	1.75E-02	3.96E-03	4.87E-03	2.91E-03
628540	4278780	1.85E-02	1.37E-02	1.53E-02	8.34E-03	7.26E-04	7.16E-03	1.96E-02	1.99E-02	4.51E-03	5.54E-03	3.31E-03
628420	4278800	1.02E-02	7.60E-03	8.48E-03	4.61E-03	4.01E-04	3.96E-03	1.08E-02	1.10E-02	2.49E-03	3.07E-03	1.83E-03
628440	4278800	1.11E-02	8.28E-03	9.23E-03	5.02E-03	4.37E-04	4.31E-03	1.18E-02	1.20E-02	2.72E-03	3.34E-03	2.00E-03
628460	4278800	1.22E-02	9.08E-03	1.01E-02	5.51E-03	4.79E-04	4.73E-03	1.30E-02	1.31E-02	2.98E-03	3.66E-03	2.19E-03
628480	4278800	1.34E-02	1.00E-02	1.12E-02	6.07E-03	5.28E-04	5.21E-03	1.43E-02	1.45E-02	3.28E-03	4.04E-03	2.41E-03
628500	4278800	1.50E-02	1.12E-02	1.24E-02	6.77E-03	5.89E-04	5.81E-03	1.59E-02	1.61E-02	3.66E-03	4.50E-03	2.69E-03
628520	4278800	1.68E-02	1.25E-02	1.40E-02	7.60E-03	6.62E-04	6.53E-03	1.79E-02	1.81E-02	4.11E-03	5.05E-03	3.02E-03
628540	4278800	1.92E-02	1.43E-02	1.59E-02	8.65E-03	7.53E-04	7.43E-03	2.04E-02	2.06E-02	4.68E-03	5.75E-03	3.44E-03
628400	4278820	9.62E-03	7.16E-03	7.99E-03	4.35E-03	3.78E-04	3.73E-03	1.02E-02	1.04E-02	2.35E-03	2.89E-03	1.73E-03
628420	4278820	1.04E-02	7.78E-03	8.68E-03	4.72E-03	4.11E-04	4.05E-03	1.11E-02	1.13E-02	2.55E-03	3.14E-03	1.88E-03
628440	4278820	1.14E-02	8.50E-03	9.48E-03	5.15E-03	4.49E-04	4.43E-03	1.21E-02	1.23E-02	2.79E-03	3.43E-03	2.05E-03
628460	4278820	1.25E-02	9.32E-03	1.04E-02	5.66E-03	4.92E-04	4.86E-03	1.33E-02	1.35E-02	3.06E-03	3.76E-03	2.25E-03
628480	4278820	1.39E-02	1.03E-02	1.15E-02	6.26E-03	5.45E-04	5.37E-03	1.47E-02	1.49E-02	3.38E-03	4.16E-03	2.49E-03
628500	4278820	1.55E-02	1.15E-02	1.29E-02	7.00E-03	6.09E-04	6.01E-03	1.65E-02	1.67E-02	3.79E-03	4.65E-03	2.78E-03
628520	4278820	1.75E-02	1.30E-02	1.45E-02	7.91E-03	6.89E-04	6.79E-03	1.86E-02	1.89E-02	4.28E-03	5.26E-03	3.14E-03
628540	4278820	2.00E-02	1.49E-02	1.66E-02	9.05E-03	7.88E-04	7.77E-03	2.13E-02	2.16E-02	4.89E-03	6.01E-03	3.60E-03
628560	4278820	2.34E-02	1.74E-02	1.94E-02	1.06E-02	9.21E-04	9.08E-03	2.49E-02	2.52E-02	5.72E-03	7.03E-03	4.20E-03
628380	4278840	9.08E-03	6.76E-03	7.54E-03	4.10E-03	3.57E-04	3.52E-03	9.65E-03	9.79E-03	2.22E-03	2.73E-03	1.63E-03
628400	4278840	9.83E-03	7.32E-03	8.16E-03	4.44E-03	3.86E-04	3.81E-03	1.04E-02	1.06E-02	2.40E-03	2.95E-03	1.76E-03
628420	4278840	1.07E-02	7.96E-03	8.88E-03	4.83E-03	4.20E-04	4.15E-03	1.14E-02	1.15E-02	2.61E-03	3.21E-03	1.92E-03
628440	4278840	1.17E-02	8.70E-03	9.71E-03	5.28E-03	4.60E-04	4.53E-03	1.24E-02	1.26E-02	2.86E-03	3.51E-03	2.10E-03
628460	4278840	1.29E-02	9.58E-03	1.07E-02	5.81E-03	5.06E-04	4.99E-03	1.37E-02	1.39E-02	3.14E-03	3.86E-03	2.31E-03
628480	4278840	1.43E-02	1.06E-02	1.19E-02	6.46E-03	5.62E-04	5.55E-03	1.52E-02	1.54E-02	3.49E-03	4.29E-03	2.57E-03
628500	4278840	1.60E-02	1.19E-02	1.33E-02	7.25E-03	6.31E-04	6.22E-03	1.70E-02	1.73E-02	3.92E-03	4.82E-03	2.88E-03
628520	4278840	1.82E-02	1.36E-02	1.51E-02	8.23E-03	7.16E-04	7.07E-03	1.94E-02	1.96E-02	4.45E-03	5.47E-03	3.27E-03
628540	4278840	2.10E-02	1.56E-02	1.74E-02	9.49E-03	8.26E-04	8.15E-03	2.23E-02	2.26E-02	5.13E-03	6.31E-03	3.77E-03
628560	4278840	2.48E-02	1.85E-02	2.06E-02	1.12E-02	9.76E-04	9.63E-03	2.64E-02	2.68E-02	6.07E-03	7.46E-03	4.46E-03
628360	4278860	8.56E-03	6.37E-03	7.11E-03	3.87E-03	3.37E-04	3.32E-03	9.09E-03	9.22E-03	2.09E-03	2.57E-03	1.54E-03
628380	4278860	9.24E-03	6.88E-03	7.67E-03	4.17E-03	3.63E-04	3.58E-03	9.81E-03	9.96E-03	2.26E-03	2.77E-03	1.66E-03
628400	4278860	1.00E-02	7.47E-03	8.33E-03	4.53E-03	3.94E-04	3.89E-03	1.07E-02	1.08E-02	2.45E-03	3.01E-03	1.80E-03
628420	4278860	1.09E-02	8.13E-03	9.07E-03	4.93E-03	4.29E-04	4.24E-03	1.16E-02	1.18E-02	2.67E-03	3.28E-03	1.96E-03
628440	4278860	1.20E-02	8.92E-03	9.95E-03	5.41E-03	4.71E-04	4.65E-03	1.27E-02	1.29E-02	2.93E-03	3.60E-03	2.15E-03
628460	4278860	1.32E-02	9.86E-03	1.10E-02	5.98E-03	5.21E-04	5.14E-03	1.41E-02	1.43E-02	3.23E-03	3.98E-03	2.38E-03
628480	4278860	1.48E-02	1.10E-02	1.23E-02	6.66E-03	5.80E-04	5.72E-03	1.57E-02	1.59E-02	3.60E-03	4.43E-03	2.65E-03
628500	4278860	1.66E-02	1.24E-02	1.38E-02	7.50E-03	6.53E-04	6.44E-03	1.76E-02	1.79E-02	4.06E-03	4.99E-03	2.98E-03
628520	4278860	1.90E-02	1.41E-02	1.57E-02	8.56E-03	7.46E-04	7.36E-03	2.01E-02	2.04E-02	4.63E-03	5.69E-03	3.40E-03
628340	4278880	8.09E-03	6.02E-03	6.72E-03	3.65E-03	3.18E-04	3.14E-03	8.59E-03	8.71E-03	1.98E-03	2.43E-03	1.45E-03
628360	4278880	8.70E-03	6.48E-03	7.23E-03	3.93E-03	3.42E-04	3.37E-03	9.24E-03	9.38E-03	2.13E-03	2.61E-03	1.56E-03
628380	4278880	9.41E-03	7.01E-03	7.82E-03	4.25E-03	3.70E-04	3.65E-03	1.00E-02	1.01E-02	2.30E-03	2.83E-03	1.69E-03
628400	4278880	1.02E-02	7.61E-03	8.49E-03	4.62E-03	4.02E-04	3.97E-03	1.09E-02	1.10E-02	2.50E-03	3.07E-03	1.84E-03
628420	4278880	1.12E-02	8.31E-03	9.27E-03	5.04E-03	4.39E-04	4.33E-03	1.19E-02	1.20E-02	2.73E-03	3.35E-03	2.00E-03
628440	4278880	1.23E-02	9.14E-03	1.02E-02	5.54E-03	4.83E-04	4.76E-03	1.30E-02	1.32E-02	3.00E-03	3.69E-03	2.20E-03
628460	4278880	1.36E-02	1.01E-02	1.13E-02	6.15E-03	5.35E-04	5.28E-03	1.45E-02	1.47E-02	3.33E-03	4.09E-03	2.44E-03
628480	4278880	1.52E-02	1.13E-02	1.26E-02	6.87E-03	5.98E-04	5.90E-03	1.62E-02	1.64E-02	3.72E-03	4.57E-03	2.73E-03
628500	4278880	1.72E-02	1.28E-02	1.43E-02	7.78E-03	6.78E-04	6.69E-03	1.83E-02	1.86E-02	4.21E-03	5.17E-03	3.09E-03
628320	4278900	6.75E-03	5.70E-03	6.35E-03	3.46E-03	3.01E-04	2.97E-03	8.13E-03	8.24E-03	1.87E-03	2.30E-03	1.37E-03
628340	4278900	8.21E-03	6.11E-03	6.82E-03	3.71E-03	3.23E-04	3.18E-03	8.72E-03	8.84E-03	2.01E-03	2.46E-03	1.47E-03
628360	4278900	8.85E-03	6.59E-03	7.35E-03	4.00E-03	3.48E-04	3.43E-03	9.40E-03	9.54E-03	2.16E-03	2.66E-03	1.59E-03
628380	4278900	9.59E-03	7.14E-03	7.96E-03	4.33E-03	3.77E-04	3.72E-03	1.02E-02	1.03E-02	2.34E-03	2.88E-03	1.72E-03
628400	4278900	1.04E-02	7.77E-03	8.67E-03	4.71E-03	4.10E-04	4.05E-03	1.11E-02	1.12E-02	2.55E-03	3.13E-03	1.87E-03
628420	4278900	1.14E-02	8.51E-03	9.49E-03	5.16E-03	4.49E-04	4.43E-03	1.21E-02	1.23E-02	2.79E-03	3.43E-03	2.05E-03
628440	4278900	1.26E-02	9.38E-03	1.05E-02	5.69E-03	4.95E-04	4.89E-03	1.34E-02	1.36E-02	3.08E-03	3.78E-03	2.26E-03
628460	4278900	1.40E-02	1.04E-02	1.16E-02	6.32E-03	5.51E-04	5.43E-03	1.49E-02	1.51E-02	3.42E-03	4.20E-03	2.51E-03
628480	4278900	1.57E-02	1.17E-02	1.31E-02	7.10E-03	6.18E-04	6.10E-03	1.67E-02	1.69E-02	3.84E-03	4.72E-03	2.82E-03
628500	4278900	1.76E-02	1.31E-02	1.46E-02	7.97E-03	6.89E-03	6.81E-03	1.86E-02	1.88E-02	4.28E-03	5.26E-03	3.14E-03
628320	4278920	7.76E-03	5.78E-03	6.45E-03	3.51E-03	3.05E-04	3.01E-03	8.24E-03	8.36E-03	1.90E-03	2.33E-03	1.39E-03
628340	4278920	8.34E-03	6.21E-03	6.93E-03	3.77E-03	3.28E-04	3.24E-03	8.86E-03	8.99E-03	2.04E-03	2.51E-03	1.50E-03
628360	4278920	9.02E-03	6.71E-03	7.49E-03	4.07E-03	3.55E-04	3.50E-03	9.58E-03	9.72E-03	2.20E-03	2.71E-03	1.62E-03
628380	4278920	9.79E-03	7.29E-03	8.13E-03	4.42E-03	3.85E-04	3.80E-03	1.04E-02	1.05E-02	2.39E-03	2.94E-03	1.76E-03
628400	4278920	1.07E-02	7.95E-03	8								

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Campus										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
628400	4278980	1.15E-02	8.60E-03	9.59E-03	5.22E-03	4.54E-04	4.48E-03	1.23E-02	1.24E-02	2.82E-03	3.47E-03	2.07E-03
628420	4278980	1.27E-02	9.49E-03	1.06E-02	5.76E-03	5.01E-04	4.94E-03	1.35E-02	1.37E-02	3.11E-03	3.83E-03	2.29E-03
628440	4278980	1.41E-02	1.05E-02	1.17E-02	6.39E-03	5.56E-04	5.49E-03	1.50E-02	1.52E-02	3.46E-03	4.25E-03	2.54E-03
629720	4278980	1.16E-02	8.60E-03	9.60E-03	5.22E-03	4.54E-04	4.48E-03	1.23E-02	1.25E-02	2.82E-03	3.47E-03	2.07E-03
629740	4278980	1.11E-02	8.23E-03	9.18E-03	4.99E-03	4.35E-04	4.29E-03	1.17E-02	1.19E-02	2.70E-03	3.32E-03	1.98E-03
629760	4278980	1.06E-02	7.88E-03	8.79E-03	4.78E-03	4.16E-04	4.11E-03	1.12E-02	1.14E-02	2.59E-03	3.18E-03	1.90E-03
628100	4279000	4.31E-03	3.21E-03	3.58E-03	1.95E-03	1.70E-04	1.67E-03	4.58E-03	4.65E-03	1.05E-03	1.30E-03	7.74E-04
628120	4279000	4.53E-03	3.37E-03	3.76E-03	2.05E-03	1.78E-04	1.76E-03	4.81E-03	4.88E-03	1.11E-03	1.36E-03	8.13E-04
628140	4279000	4.76E-03	3.55E-03	3.96E-03	2.15E-03	1.87E-04	1.85E-03	5.06E-03	5.13E-03	1.16E-03	1.43E-03	8.55E-04
628160	4279000	5.02E-03	3.74E-03	4.17E-03	2.27E-03	1.98E-04	1.95E-03	5.34E-03	5.41E-03	1.23E-03	1.51E-03	9.02E-04
628180	4279000	5.31E-03	3.95E-03	4.41E-03	2.40E-03	2.09E-04	2.06E-03	5.64E-03	5.72E-03	1.30E-03	1.59E-03	9.53E-04
628200	4279000	5.62E-03	4.18E-03	4.67E-03	2.54E-03	2.21E-04	2.18E-03	5.97E-03	6.05E-03	1.37E-03	1.69E-03	1.01E-03
628220	4279000	5.97E-03	4.46E-03	4.96E-03	2.69E-03	2.35E-04	2.31E-03	6.34E-03	6.43E-03	1.46E-03	1.79E-03	1.07E-03
628240	4279000	6.36E-03	4.73E-03	5.28E-03	2.87E-03	2.50E-04	2.47E-03	6.75E-03	6.85E-03	1.55E-03	1.91E-03	1.14E-03
628320	4279000	8.42E-03	6.27E-03	6.99E-03	3.80E-03	3.31E-04	3.27E-03	8.94E-03	9.07E-03	2.06E-03	2.53E-03	1.51E-03
628340	4279000	9.11E-03	6.78E-03	7.56E-03	4.11E-03	3.58E-04	3.53E-03	9.67E-03	9.81E-03	2.23E-03	2.73E-03	1.63E-03
628360	4279000	9.90E-03	7.37E-03	8.22E-03	4.47E-03	3.89E-04	3.84E-03	1.05E-02	1.07E-02	2.42E-03	2.97E-03	1.78E-03
628380	4279000	1.08E-02	8.05E-03	8.98E-03	4.88E-03	4.25E-04	4.19E-03	1.15E-02	1.16E-02	2.64E-03	3.24E-03	1.94E-03
628400	4279000	1.18E-02	8.82E-03	9.84E-03	5.35E-03	4.66E-04	4.60E-03	1.26E-02	1.28E-02	2.89E-03	3.56E-03	2.13E-03
628420	4279000	1.31E-02	9.73E-03	1.09E-02	5.90E-03	5.14E-04	5.07E-03	1.39E-02	1.41E-02	3.19E-03	3.92E-03	2.35E-03
628440	4279000	1.45E-02	1.08E-02	1.20E-02	6.54E-03	5.69E-04	5.62E-03	1.54E-02	1.56E-02	3.54E-03	4.35E-03	2.60E-03
629700	4279000	1.21E-02	9.01E-03	1.00E-02	5.46E-03	4.76E-04	4.69E-03	1.28E-02	1.30E-02	2.96E-03	3.63E-03	2.17E-03
629720	4279000	1.15E-02	8.59E-03	9.59E-03	5.21E-03	4.54E-04	4.48E-03	1.23E-02	1.24E-02	2.82E-03	3.47E-03	2.07E-03
629740	4279000	1.10E-02	8.22E-03	9.17E-03	4.98E-03	4.34E-04	4.28E-03	1.17E-02	1.19E-02	2.70E-03	3.31E-03	1.98E-03
629760	4279000	1.06E-02	7.87E-03	8.78E-03	4.77E-03	4.15E-04	4.10E-03	1.12E-02	1.14E-02	2.58E-03	3.17E-03	1.90E-03
629780	4279000	1.01E-02	7.54E-03	8.42E-03	4.58E-03	3.98E-04	3.93E-03	1.08E-02	1.09E-02	2.48E-03	3.04E-03	1.82E-03
628100	4279200	4.36E-03	3.25E-03	3.62E-03	1.97E-03	1.72E-04	1.69E-03	4.63E-03	4.70E-03	1.07E-03	1.31E-03	7.83E-04
628120	4279200	4.58E-03	3.41E-03	3.81E-03	2.07E-03	1.80E-04	1.78E-03	4.87E-03	4.94E-03	1.12E-03	1.38E-03	8.23E-04
628140	4279200	4.83E-03	3.59E-03	4.01E-03	2.18E-03	1.90E-04	1.87E-03	5.13E-03	5.20E-03	1.18E-03	1.45E-03	8.67E-04
628160	4279200	5.10E-03	3.79E-03	4.23E-03	2.30E-03	2.00E-04	1.98E-03	5.41E-03	5.49E-03	1.24E-03	1.53E-03	9.15E-04
628180	4279200	5.39E-03	4.01E-03	4.48E-03	2.43E-03	2.12E-04	2.09E-03	5.72E-03	5.81E-03	1.32E-03	1.62E-03	9.67E-04
628200	4279200	5.71E-03	4.25E-03	4.75E-03	2.58E-03	2.25E-04	2.22E-03	6.07E-03	6.16E-03	1.40E-03	1.72E-03	1.03E-03
628220	4279200	6.07E-03	4.52E-03	5.04E-03	2.74E-03	2.39E-04	2.36E-03	6.45E-03	6.54E-03	1.48E-03	1.82E-03	1.09E-03
628240	4279200	6.48E-03	4.82E-03	5.38E-03	2.93E-03	2.55E-04	2.51E-03	6.88E-03	6.98E-03	1.58E-03	1.95E-03	1.16E-03
628260	4279200	6.92E-03	5.13E-03	5.71E-03	3.13E-03	2.74E-04	2.70E-03	7.36E-03	7.47E-03	1.69E-03	2.11E-03	1.27E-03
628280	4279200	7.40E-03	5.47E-03	6.07E-03	3.34E-03	2.97E-04	2.92E-03	7.89E-03	8.01E-03	1.82E-03	2.27E-03	1.38E-03
628300	4279200	7.92E-03	5.84E-03	6.47E-03	3.56E-03	3.20E-04	3.14E-03	8.46E-03	8.59E-03	1.97E-03	2.47E-03	1.51E-03
628320	4279200	8.49E-03	6.24E-03	6.91E-03	3.76E-03	3.43E-04	3.36E-03	9.07E-03	9.21E-03	2.14E-03	2.67E-03	1.64E-03
628340	4279200	9.13E-03	6.67E-03	7.38E-03	3.99E-03	3.66E-04	3.58E-03	9.74E-03	9.89E-03	2.33E-03	2.91E-03	1.77E-03
628360	4279200	9.84E-03	7.14E-03	7.90E-03	4.24E-03	3.89E-04	3.80E-03	1.04E-02	1.06E-02	2.54E-03	3.17E-03	1.91E-03
628380	4279200	1.06E-02	7.64E-03	8.45E-03	4.50E-03	4.12E-04	4.02E-03	1.11E-02	1.13E-02	2.76E-03	3.44E-03	2.05E-03
628400	4279200	1.15E-02	8.17E-03	8.99E-03	4.76E-03	4.35E-04	4.24E-03	1.18E-02	1.20E-02	2.99E-03	3.73E-03	2.19E-03
628420	4279200	1.25E-02	8.74E-03	9.60E-03	5.03E-03	4.58E-04	4.46E-03	1.25E-02	1.27E-02	3.24E-03	4.04E-03	2.33E-03
628440	4279200	1.36E-02	9.35E-03	1.02E-02	5.32E-03	4.82E-04	4.69E-03	1.33E-02	1.35E-02	3.51E-03	4.38E-03	2.48E-03
629700	4279200	1.15E-02	8.60E-03	9.59E-03	5.21E-03	4.54E-04	4.48E-03	1.23E-02	1.24E-02	2.82E-03	3.47E-03	2.07E-03
629720	4279200	1.10E-02	8.21E-03	9.16E-03	4.98E-03	4.34E-04	4.28E-03	1.17E-02	1.19E-02	2.70E-03	3.31E-03	1.98E-03
629740	4279200	1.05E-02	7.85E-03	8.76E-03	4.76E-03	4.15E-04	4.09E-03	1.12E-02	1.14E-02	2.58E-03	3.17E-03	1.89E-03
629760	4279200	1.01E-02	7.53E-03	8.40E-03	4.57E-03	3.98E-04	3.92E-03	1.07E-02	1.09E-02	2.47E-03	3.04E-03	1.82E-03
628100	4279400	4.42E-03	3.29E-03	3.67E-03	2.00E-03	1.74E-04	1.71E-03	4.69E-03	4.76E-03	1.08E-03	1.33E-03	7.93E-04
628120	4279400	4.65E-03	3.46E-03	3.86E-03	2.10E-03	1.83E-04	1.80E-03	4.94E-03	5.01E-03	1.14E-03	1.40E-03	8.35E-04
628140	4279400	4.90E-03	3.65E-03	4.07E-03	2.21E-03	1.93E-04	1.90E-03	5.21E-03	5.28E-03	1.20E-03	1.47E-03	8.80E-04
628160	4279400	5.18E-03	3.86E-03	4.30E-03	2.34E-03	2.04E-04	2.01E-03	5.50E-03	5.58E-03	1.27E-03	1.56E-03	9.30E-04
628180	4279400	5.48E-03	4.08E-03	4.56E-03	2.48E-03	2.16E-04	2.13E-03	5.83E-03	5.91E-03	1.34E-03	1.65E-03	9.85E-04
628200	4279400	5.82E-03	4.33E-03	4.83E-03	2.63E-03	2.29E-04	2.26E-03	6.18E-03	6.27E-03	1.42E-03	1.75E-03	1.04E-03
628220	4279400	6.19E-03	4.61E-03	5.14E-03	2.80E-03	2.43E-04	2.40E-03	6.58E-03	6.67E-03	1.51E-03	1.86E-03	1.11E-03
628240	4279400	6.62E-03	4.93E-03	5.50E-03	2.99E-03	2.60E-04	2.57E-03	7.03E-03	7.13E-03	1.62E-03	1.99E-03	1.19E-03
629680	4279400	1.27E-02	9.49E-03	1.06E-02	5.75E-03	5.01E-04	4.94E-03	1.35E-02	1.37E-02	3.11E-03	3.83E-03	2.29E-03
629700	4279400	1.21E-02	9.03E-03	1.01E-02	5.48E-03	4.77E-04	4.71E-03	1.29E-02	1.31E-02	2.96E-03	3.64E-03	2.18E-03
629720	4279400	1.16E-02	8.60E-03	9.60E-03	5.22E-03	4.54E-04	4.48E-03	1.23E-02	1.25E-02	2.82E-03	3.47E-03	2.07E-03
629740	4279400	1.10E-02	8.20E-03	9.15E-03	4.98E-03	4.33E-04	4.27E-03	1.17E-02	1.19E-02	2.69E-03	3.31E-03	1.98E-03
629760	4279400	1.06E-02	7.86E-03	8.77E-03	4.77E-03	4.15E-04	4.09E-03	1.12E-02	1.14E-02	2.58E-03	3.17E-03	1.89E-03
629780	4279400	1.01E-02	7.53E-03	8.40E-03	4.57E-03	3.98E-04	3.92E-03	1.07E-02	1.09E-02	2.47E-03	3.04E-03	1.81E-03
628100	4279600	4.49E-03	3.34E-03	3.73E-03	2.03E-03	1.76E-04	1.74E-03	4.77E-03	4.83E-03	1.10E-03	1.35E-03	8.05E-04
628120	4279600	4.72E-03	3.52E-03	3.92E-03	2.13E-03	1.86E-04	1.83E-03	5.02E-03	5.09E-03	1.15E-03	1.42E-03	8.48E-04
628140	4279600	4.99E-03	3.71E-03	4.14E-03	2.25E-03	1.96E-04	1.93E-03	5.30E-03	5.37E-03	1.22E-03	1.50E-03	8.95E-04
628160	4279600	5.27E-03	3.93E-03	4.38E-03	2.38E-03	2.07E-04	2.05E-03	5.60E-03	5.68E-03	1.29E-03	1.58E-03	9.47E-04
628180	4279600	5.59E-03	4.16E-03	4.64E-03	2.52E-03	2.20E-04	2.17E-03	5.94E-03	6.02E-03	1.37E-03	1.68E-03	1.00E-03
628200	4279600	5.94E-03	4.42E-03	4.93E-03	2.68E-03	2.34E-04	2.30E-03	6.31E-03	6.40E-03	1.45E-03	1.78E-03	1.07E-03
628220	4279600	6.33E-03	4.71E-03	5.25E-03	2.86E-03	2.49E-04	2.45E-03	6.72E-03	6.82E-03	1.55E-03	1.90E-03	1.14E-03
628240	4279600	6.76E-03	5.04E-03	5.62E-03	3.05E-03	2.66E-04	2.62E-03	7.18E-03	7.29E-03	1.65E-03	2.03E-03	1.21E-03
628260	4279600	7.23E-03	5.36E-03	5.								

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Campus										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
628160	4279120	5.61E-03	4.17E-03	4.66E-03	2.53E-03	2.20E-04	2.18E-03	5.96E-03	6.04E-03	1.37E-03	1.68E-03	1.01E-03
628180	4279120	5.95E-03	4.43E-03	4.95E-03	2.69E-03	2.34E-04	2.31E-03	6.33E-03	6.42E-03	1.45E-03	1.79E-03	1.07E-03
628200	4279120	6.33E-03	4.72E-03	5.26E-03	2.86E-03	2.49E-04	2.46E-03	6.73E-03	6.83E-03	1.55E-03	1.90E-03	1.14E-03
628220	4279120	6.76E-03	5.03E-03	5.61E-03	3.05E-03	2.66E-04	2.62E-03	7.18E-03	7.28E-03	1.65E-03	2.03E-03	1.21E-03
628300	4279120	8.89E-03	6.62E-03	7.39E-03	4.02E-03	3.50E-04	3.45E-03	9.45E-03	9.58E-03	2.17E-03	2.67E-03	1.60E-03
628320	4279120	9.58E-03	7.13E-03	7.95E-03	4.38E-03	3.77E-04	3.71E-03	1.02E-02	1.03E-02	2.34E-03	2.88E-03	1.72E-03
628340	4279120	1.03E-02	7.69E-03	8.58E-03	4.67E-03	4.06E-04	4.01E-03	1.10E-02	1.11E-02	2.53E-03	3.10E-03	1.86E-03
628360	4279120	1.12E-02	8.32E-03	9.28E-03	5.05E-03	4.39E-04	4.34E-03	1.19E-02	1.20E-02	2.73E-03	3.36E-03	2.01E-03
629600	4279120	1.62E-02	1.21E-02	1.35E-02	7.31E-03	6.37E-04	6.28E-03	1.72E-02	1.75E-02	3.96E-03	4.86E-03	2.91E-03
629620	4279120	1.53E-02	1.14E-02	1.27E-02	6.89E-03	6.00E-04	5.92E-03	1.62E-02	1.64E-02	3.73E-03	4.58E-03	2.74E-03
629640	4279120	1.44E-02	1.07E-02	1.20E-02	6.51E-03	5.67E-04	5.59E-03	1.53E-02	1.55E-02	3.52E-03	4.33E-03	2.59E-03
629660	4279120	1.36E-02	1.02E-02	1.13E-02	6.16E-03	5.37E-04	5.29E-03	1.45E-02	1.47E-02	3.33E-03	4.10E-03	2.45E-03
629680	4279120	1.29E-02	9.63E-03	1.07E-02	5.84E-03	5.09E-04	5.02E-03	1.37E-02	1.39E-02	3.16E-03	3.88E-03	2.32E-03
629700	4279120	1.23E-02	9.15E-03	1.02E-02	5.55E-03	4.83E-04	4.77E-03	1.31E-02	1.32E-02	3.00E-03	3.69E-03	2.21E-03
628080	4279140	4.58E-03	3.41E-03	3.81E-03	2.07E-03	1.80E-04	1.78E-03	4.87E-03	4.94E-03	1.12E-03	1.38E-03	8.23E-04
628100	4279140	4.83E-03	3.60E-03	4.02E-03	2.18E-03	1.90E-04	1.88E-03	5.14E-03	5.21E-03	1.18E-03	1.45E-03	8.68E-04
628120	4279140	5.11E-03	3.80E-03	4.24E-03	2.31E-03	2.01E-04	1.98E-03	5.43E-03	5.50E-03	1.25E-03	1.53E-03	9.17E-04
628140	4279140	5.40E-03	4.02E-03	4.49E-03	2.44E-03	2.13E-04	2.10E-03	5.74E-03	5.82E-03	1.32E-03	1.62E-03	9.70E-04
628160	4279140	5.73E-03	4.27E-03	4.76E-03	2.59E-03	2.25E-04	2.22E-03	6.09E-03	6.17E-03	1.40E-03	1.72E-03	1.03E-03
628180	4279140	6.08E-03	4.53E-03	5.05E-03	2.75E-03	2.39E-04	2.36E-03	6.46E-03	6.56E-03	1.49E-03	1.83E-03	1.09E-03
628200	4279140	6.47E-03	4.82E-03	5.38E-03	2.92E-03	2.54E-04	2.51E-03	6.87E-03	6.97E-03	1.58E-03	1.94E-03	1.16E-03
628220	4279140	6.90E-03	5.14E-03	5.73E-03	3.12E-03	2.71E-04	2.68E-03	7.33E-03	7.43E-03	1.69E-03	2.07E-03	1.24E-03
628240	4279140	7.40E-03	5.63E-03	6.24E-03	3.34E-03	2.90E-04	2.87E-03	7.84E-03	7.94E-03	1.81E-03	2.21E-03	1.36E-03
628260	4279140	7.92E-03	6.13E-03	6.76E-03	3.57E-03	3.09E-04	3.06E-03	8.35E-03	8.45E-03	1.94E-03	2.34E-03	1.48E-03
628280	4279140	8.50E-03	6.72E-03	7.38E-03	3.82E-03	3.28E-04	3.25E-03	8.96E-03	9.06E-03	2.08E-03	2.54E-03	1.60E-03
628300	4279140	9.15E-03	7.39E-03	8.08E-03	4.08E-03	3.47E-04	3.44E-03	9.57E-03	9.67E-03	2.22E-03	2.73E-03	1.72E-03
628320	4279140	9.87E-03	8.03E-03	8.75E-03	4.34E-03	3.66E-04	3.63E-03	1.02E-02	1.03E-02	2.40E-03	2.93E-03	1.81E-03
628340	4279140	1.07E-02	8.72E-03	9.48E-03	4.61E-03	3.85E-04	3.82E-03	1.09E-02	1.10E-02	2.58E-03	3.14E-03	1.91E-03
628360	4279140	1.16E-02	9.45E-03	1.02E-02	4.89E-03	4.04E-04	4.01E-03	1.17E-02	1.18E-02	2.77E-03	3.35E-03	2.01E-03
629600	4279140	1.62E-02	1.21E-02	1.35E-02	7.31E-03	6.37E-04	6.28E-03	1.72E-02	1.75E-02	3.96E-03	4.86E-03	2.91E-03
629620	4279140	1.53E-02	1.14E-02	1.27E-02	6.89E-03	6.00E-04	5.92E-03	1.62E-02	1.64E-02	3.73E-03	4.58E-03	2.74E-03
629640	4279140	1.44E-02	1.07E-02	1.20E-02	6.51E-03	5.67E-04	5.59E-03	1.53E-02	1.55E-02	3.52E-03	4.33E-03	2.59E-03
629660	4279140	1.36E-02	1.02E-02	1.13E-02	6.16E-03	5.37E-04	5.29E-03	1.45E-02	1.47E-02	3.33E-03	4.10E-03	2.45E-03
629680	4279140	1.29E-02	9.63E-03	1.07E-02	5.84E-03	5.09E-04	5.02E-03	1.37E-02	1.39E-02	3.16E-03	3.88E-03	2.32E-03
629700	4279140	1.23E-02	9.15E-03	1.02E-02	5.55E-03	4.83E-04	4.77E-03	1.31E-02	1.32E-02	3.00E-03	3.69E-03	2.21E-03
628080	4279140	4.58E-03	3.41E-03	3.81E-03	2.07E-03	1.80E-04	1.78E-03	4.87E-03	4.94E-03	1.12E-03	1.38E-03	8.23E-04
628100	4279140	4.83E-03	3.60E-03	4.02E-03	2.18E-03	1.90E-04	1.88E-03	5.14E-03	5.21E-03	1.18E-03	1.45E-03	8.68E-04
628120	4279140	5.11E-03	3.80E-03	4.24E-03	2.31E-03	2.01E-04	1.98E-03	5.43E-03	5.50E-03	1.25E-03	1.53E-03	9.17E-04
628140	4279140	5.40E-03	4.02E-03	4.49E-03	2.44E-03	2.13E-04	2.10E-03	5.74E-03	5.82E-03	1.32E-03	1.62E-03	9.70E-04
628160	4279140	5.73E-03	4.27E-03	4.76E-03	2.59E-03	2.25E-04	2.22E-03	6.09E-03	6.17E-03	1.40E-03	1.72E-03	1.03E-03
628180	4279140	6.08E-03	4.53E-03	5.05E-03	2.75E-03	2.39E-04	2.36E-03	6.46E-03	6.56E-03	1.49E-03	1.83E-03	1.09E-03
628200	4279140	6.47E-03	4.82E-03	5.38E-03	2.92E-03	2.54E-04	2.51E-03	6.87E-03	6.97E-03	1.58E-03	1.94E-03	1.16E-03
628220	4279140	6.90E-03	5.14E-03	5.73E-03	3.12E-03	2.71E-04	2.68E-03	7.33E-03	7.43E-03	1.69E-03	2.07E-03	1.24E-03
628240	4279140	7.40E-03	5.63E-03	6.24E-03	3.34E-03	2.90E-04	2.87E-03	7.84E-03	7.94E-03	1.81E-03	2.21E-03	1.36E-03
628260	4279140	7.92E-03	6.13E-03	6.76E-03	3.57E-03	3.09E-04	3.06E-03	8.35E-03	8.45E-03	1.94E-03	2.34E-03	1.48E-03
628280	4279140	8.50E-03	6.72E-03	7.38E-03	3.82E-03	3.28E-04	3.25E-03	8.96E-03	9.06E-03	2.08E-03	2.54E-03	1.60E-03
628300	4279140	9.15E-03	7.39E-03	8.08E-03	4.08E-03	3.47E-04	3.44E-03	9.57E-03	9.67E-03	2.22E-03	2.73E-03	1.72E-03
628320	4279140	9.87E-03	8.03E-03	8.75E-03	4.34E-03	3.66E-04	3.63E-03	1.02E-02	1.03E-02	2.40E-03	2.93E-03	1.81E-03
628340	4279140	1.07E-02	8.72E-03	9.48E-03	4.61E-03	3.85E-04	3.82E-03	1.09E-02	1.10E-02	2.58E-03	3.14E-03	1.91E-03
628360	4279140	1.16E-02	9.45E-03	1.02E-02	4.89E-03	4.04E-04	4.01E-03	1.17E-02	1.18E-02	2.77E-03	3.35E-03	2.01E-03
629600	4279140	1.62E-02	1.21E-02	1.35E-02	7.31E-03	6.37E-04	6.28E-03	1.72E-02	1.75E-02	3.96E-03	4.86E-03	2.91E-03
629620	4279140	1.53E-02	1.14E-02	1.27E-02	6.89E-03	6.00E-04	5.92E-03	1.62E-02	1.64E-02	3.73E-03	4.58E-03	2.74E-03
629640	4279140	1.44E-02	1.07E-02	1.20E-02	6.51E-03	5.67E-04	5.59E-03	1.53E-02	1.55E-02	3.52E-03	4.33E-03	2.59E-03
629660	4279140	1.36E-02	1.02E-02	1.13E-02	6.16E-03	5.37E-04	5.29E-03	1.45E-02	1.47E-02	3.33E-03	4.10E-03	2.45E-03
629680	4279140	1.29E-02	9.63E-03	1.07E-02	5.84E-03	5.09E-04	5.02E-03	1.37E-02	1.39E-02	3.16E-03	3.88E-03	2.32E-03
629700	4279140	1.23E-02	9.15E-03	1.02E-02	5.55E-03	4.83E-04	4.77E-03	1.31E-02	1.32E-02	3.00E-03	3.69E-03	2.21E-03
628080	4279140	4.58E-03	3.41E-03	3.81E-03	2.07E-03	1.80E-04	1.78E-03	4.87E-03	4.94E-03	1.12E-03	1.38E-03	8.23E-04
628100	4279140	4.83E-03	3.60E-03	4.02E-03	2.18E-03	1.90E-04	1.88E-03	5.14E-03	5.21E-03	1.18E-03	1.45E-03	8.68E-04
628120	4279140	5.11E-03	3.80E-03	4.24E-03	2.31E-03	2.01E-04	1.98E-03	5.43E-03	5.50E-03	1.25E-03	1.53E-03	9.17E-04
628140	4279140	5.40E-03	4.02E-03	4.49E-03	2.44E-03	2.13E-04	2.10E-03	5.74E-03	5.82E-03	1.32E-03	1.62E-03	9.70E-04
628160	4279140	5.73E-03	4.27E-03	4.76E-03	2.59E-03	2.25E-04	2.22E-03	6.09E-03	6.17E-03	1.40E-03	1.72E-03	1.03E-03
628180	4279140	6.08E-03	4.53E-03	5.05E-03	2.75E-03	2.39E-04	2.36E-03	6.46E-03	6.56E-03	1.49E-03	1.83E-03	1.09E-03
628200	4279140	6.47E-03	4.82E-03	5.38E-03	2.92E-03	2.54E-04	2.51E-03	6.87E-03	6.97E-03	1.58E-03	1.94E-03	1.16E-03
628220	4279140	6.90E-03	5.14E-03	5.73E-03	3.12E-03	2.71E-04	2.68E-03	7.33E-03	7.43E-03	1.69E-03	2.07E-03	1.24E-03
628240	4279140	7.40E-03	5.63E-03	6.24E-03	3.34E-03	2.90E-04	2.87E-03	7.84E-03	7.94E-03	1.81E-03	2.21E-03	1.36E-03
628260	4279140	7.92E-03	6.13E-03	6.76E-03	3.57E-03	3.09E-04	3.06E-03	8.35E-03	8.45E-03	1.94E-03	2.34E-03	1.48E-03
628280	4279140	8.50E-03	6.72E-03	7.38E-03	3.82E-03	3.28E-04	3.25E-03	8.96E-03	9.06E-03	2.08E-03	2.54E-03	1.60E-03
628300	4279140	9.15E-03	7.39E-03	8.08E-03	4.08E-03	3.47E-04	3.44E-03	9.57E-03	9.67E-03	2.22E-03	2.73E-03	1.72E-03
628320	4279140	9.87E-03	8.03E-03	8.75E-03	4.34E-03	3.66E-04	3.63E-03	1.02E-02	1.03E-02	2.40E-03	2.93E-03	1.81E-03
628340	4279140	1.07E-02	8.72E-03	9.48E-03	4.61E-03	3.85E-04	3.82E-03	1.09E-02	1.10E-02	2.58E-03	3.14E-03	1.91E-03
628360	4279140	1.16E-02	9.45E-03									

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Campus										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
628160	4279280	6.43E-03	4.79E-03	5.34E-03	2.90E-03	2.53E-04	2.49E-03	6.83E-03	6.93E-03	1.57E-03	1.93E-03	1.15E-03
628180	4279280	6.79E-03	5.05E-03	5.64E-03	3.06E-03	2.67E-04	2.63E-03	7.21E-03	7.31E-03	1.66E-03	2.04E-03	1.22E-03
628200	4279280	7.16E-03	5.33E-03	5.95E-03	3.24E-03	2.82E-04	2.78E-03	7.61E-03	7.72E-03	1.75E-03	2.15E-03	1.29E-03
628220	4279280	7.57E-03	5.64E-03	6.29E-03	3.42E-03	2.98E-04	2.94E-03	8.04E-03	8.16E-03	1.85E-03	2.27E-03	1.36E-03
629520	4279280	2.07E-02	1.54E-02	1.72E-02	9.34E-03	8.13E-04	8.02E-03	2.20E-02	2.23E-02	5.05E-03	6.21E-03	3.71E-03
629540	4279280	1.95E-02	1.45E-02	1.62E-02	8.80E-03	7.66E-04	7.56E-03	2.07E-02	2.10E-02	4.76E-03	5.85E-03	3.50E-03
629560	4279280	1.84E-02	1.37E-02	1.53E-02	8.31E-03	7.23E-04	7.13E-03	1.95E-02	1.98E-02	4.49E-03	5.52E-03	3.30E-03
629580	4279280	1.74E-02	1.29E-02	1.44E-02	7.84E-03	6.83E-04	6.74E-03	1.84E-02	1.87E-02	4.24E-03	5.21E-03	3.12E-03
629600	4279280	1.64E-02	1.22E-02	1.36E-02	7.41E-03	6.45E-04	6.37E-03	1.74E-02	1.77E-02	4.01E-03	4.93E-03	2.95E-03
629620	4279280	1.55E-02	1.16E-02	1.29E-02	7.01E-03	6.11E-04	6.02E-03	1.65E-02	1.67E-02	3.79E-03	4.66E-03	2.79E-03
629640	4279280	1.47E-02	1.10E-02	1.22E-02	6.64E-03	5.78E-04	5.71E-03	1.56E-02	1.59E-02	3.59E-03	4.42E-03	2.64E-03
6296520	4279300	2.06E-02	1.53E-02	1.71E-02	9.29E-03	8.09E-04	7.98E-03	2.19E-02	2.22E-02	5.03E-03	6.18E-03	3.69E-03
6296540	4279300	1.94E-02	1.45E-02	1.61E-02	8.77E-03	7.64E-04	7.54E-03	2.06E-02	2.09E-02	4.75E-03	5.83E-03	3.49E-03
6296560	4279300	1.84E-02	1.37E-02	1.52E-02	8.29E-03	7.22E-04	7.12E-03	1.95E-02	1.98E-02	4.49E-03	5.51E-03	3.30E-03
629580	4279300	1.73E-02	1.29E-02	1.44E-02	7.84E-03	6.82E-04	6.73E-03	1.84E-02	1.87E-02	4.24E-03	5.21E-03	3.11E-03
629600	4279300	1.64E-02	1.22E-02	1.36E-02	7.41E-03	6.45E-04	6.37E-03	1.74E-02	1.77E-02	4.01E-03	4.93E-03	2.95E-03
629620	4279300	1.55E-02	1.16E-02	1.29E-02	7.02E-03	6.11E-04	6.03E-03	1.65E-02	1.67E-02	3.80E-03	4.66E-03	2.79E-03
629640	4279300	1.47E-02	1.10E-02	1.22E-02	6.65E-03	5.79E-04	5.71E-03	1.56E-02	1.59E-02	3.60E-03	4.42E-03	2.64E-03
629660	4279300	1.40E-02	1.04E-02	1.16E-02	6.31E-03	5.49E-04	5.42E-03	1.48E-02	1.51E-02	3.41E-03	4.19E-03	2.51E-03
629520	4279320	2.05E-02	1.52E-02	1.70E-02	9.25E-03	8.05E-04	7.94E-03	2.18E-02	2.21E-02	5.00E-03	6.15E-03	3.68E-03
629540	4279320	1.94E-02	1.44E-02	1.61E-02	8.74E-03	7.61E-04	7.51E-03	2.06E-02	2.09E-02	4.73E-03	5.81E-03	3.48E-03
629560	4279320	1.83E-02	1.36E-02	1.52E-02	8.27E-03	7.20E-04	7.10E-03	1.94E-02	1.97E-02	4.47E-03	5.50E-03	3.29E-03
629580	4279320	1.73E-02	1.29E-02	1.44E-02	7.82E-03	6.81E-04	6.72E-03	1.84E-02	1.87E-02	4.23E-03	5.20E-03	3.11E-03
629600	4279320	1.64E-02	1.22E-02	1.36E-02	7.41E-03	6.45E-04	6.36E-03	1.74E-02	1.77E-02	4.01E-03	4.93E-03	2.94E-03
629620	4279320	1.55E-02	1.16E-02	1.29E-02	7.02E-03	6.11E-04	6.03E-03	1.65E-02	1.67E-02	3.80E-03	4.67E-03	2.79E-03
629640	4279320	1.47E-02	1.10E-02	1.22E-02	6.66E-03	5.80E-04	5.72E-03	1.57E-02	1.59E-02	3.60E-03	4.43E-03	2.65E-03
629660	4279320	1.40E-02	1.04E-02	1.16E-02	6.32E-03	5.50E-04	5.43E-03	1.49E-02	1.51E-02	3.42E-03	4.20E-03	2.51E-03
629680	4279320	1.33E-02	9.89E-03	1.10E-02	6.00E-03	5.22E-04	5.15E-03	1.41E-02	1.43E-02	3.25E-03	3.99E-03	2.39E-03
629700	4279320	1.26E-02	9.41E-03	1.05E-02	5.71E-03	4.97E-04	4.90E-03	1.34E-02	1.36E-02	3.09E-03	3.80E-03	2.27E-03
629520	4279340	2.04E-02	1.52E-02	1.69E-02	9.20E-03	8.01E-04	7.90E-03	2.16E-02	2.19E-02	4.97E-03	6.11E-03	3.66E-03
629540	4279340	1.93E-02	1.44E-02	1.60E-02	8.71E-03	7.58E-04	7.48E-03	2.05E-02	2.08E-02	4.71E-03	5.79E-03	3.46E-03
629560	4279340	1.83E-02	1.36E-02	1.52E-02	8.24E-03	7.18E-04	7.08E-03	1.94E-02	1.97E-02	4.46E-03	5.48E-03	3.28E-03
629580	4279340	1.73E-02	1.29E-02	1.44E-02	7.81E-03	6.80E-04	6.71E-03	1.84E-02	1.86E-02	4.23E-03	5.19E-03	3.10E-03
629600	4279340	1.64E-02	1.22E-02	1.36E-02	7.40E-03	6.44E-04	6.36E-03	1.74E-02	1.77E-02	4.00E-03	4.92E-03	2.94E-03
629620	4279340	1.55E-02	1.16E-02	1.29E-02	7.02E-03	6.11E-04	6.03E-03	1.65E-02	1.67E-02	3.80E-03	4.67E-03	2.79E-03
629640	4279340	1.47E-02	1.10E-02	1.22E-02	6.66E-03	5.80E-04	5.72E-03	1.57E-02	1.59E-02	3.60E-03	4.43E-03	2.65E-03
629660	4279340	1.40E-02	1.04E-02	1.16E-02	6.33E-03	5.51E-04	5.43E-03	1.49E-02	1.51E-02	3.42E-03	4.21E-03	2.51E-03
629680	4279340	1.33E-02	9.91E-03	1.11E-02	6.01E-03	5.23E-04	5.16E-03	1.41E-02	1.43E-02	3.25E-03	4.00E-03	2.39E-03
629700	4279340	1.27E-02	9.43E-03	1.05E-02	5.72E-03	4.98E-04	4.91E-03	1.35E-02	1.36E-02	3.09E-03	3.80E-03	2.27E-03
629720	4279340	1.21E-02	8.98E-03	1.00E-02	5.45E-03	4.74E-04	4.68E-03	1.28E-02	1.30E-02	2.95E-03	3.62E-03	2.17E-03
629740	4279340	1.15E-02	8.56E-03	9.55E-03	5.20E-03	4.52E-04	4.46E-03	1.22E-02	1.24E-02	2.81E-03	3.45E-03	2.07E-03
629760	4279340	1.10E-02	8.18E-03	9.12E-03	4.96E-03	4.32E-04	4.26E-03	1.17E-02	1.18E-02	2.68E-03	3.30E-03	1.97E-03
629520	4279360	2.02E-02	1.51E-02	1.68E-02	9.14E-03	7.95E-04	7.85E-03	2.15E-02	2.18E-02	4.94E-03	6.07E-03	3.63E-03
629540	4279360	1.92E-02	1.43E-02	1.59E-02	8.67E-03	7.54E-04	7.44E-03	2.04E-02	2.07E-02	4.69E-03	5.76E-03	3.44E-03
629560	4279360	1.82E-02	1.35E-02	1.51E-02	8.22E-03	7.15E-04	7.06E-03	1.93E-02	1.96E-02	4.44E-03	5.46E-03	3.27E-03
629580	4279360	1.73E-02	1.28E-02	1.43E-02	7.79E-03	6.78E-04	6.69E-03	1.83E-02	1.86E-02	4.22E-03	5.18E-03	3.10E-03
629600	4279360	1.64E-02	1.22E-02	1.36E-02	7.39E-03	6.43E-04	6.35E-03	1.74E-02	1.76E-02	4.00E-03	4.91E-03	2.94E-03
629620	4279360	1.55E-02	1.16E-02	1.29E-02	7.01E-03	6.11E-04	6.02E-03	1.65E-02	1.67E-02	3.79E-03	4.66E-03	2.79E-03
629640	4279360	1.47E-02	1.10E-02	1.22E-02	6.66E-03	5.80E-04	5.72E-03	1.57E-02	1.59E-02	3.60E-03	4.43E-03	2.65E-03
629660	4279360	1.40E-02	1.04E-02	1.16E-02	6.33E-03	5.51E-04	5.44E-03	1.49E-02	1.51E-02	3.43E-03	4.21E-03	2.52E-03
629680	4279360	1.33E-02	9.93E-03	1.11E-02	6.02E-03	5.24E-04	5.17E-03	1.42E-02	1.44E-02	3.26E-03	4.00E-03	2.39E-03
629700	4279360	1.27E-02	9.45E-03	1.05E-02	5.73E-03	4.99E-04	4.92E-03	1.35E-02	1.37E-02	3.10E-03	3.81E-03	2.28E-03
629720	4279360	1.21E-02	9.00E-03	1.00E-02	5.46E-03	4.75E-04	4.69E-03	1.28E-02	1.30E-02	2.95E-03	3.63E-03	2.17E-03
629740	4279360	1.15E-02	8.58E-03	9.57E-03	5.21E-03	4.53E-04	4.47E-03	1.22E-02	1.24E-02	2.82E-03	3.46E-03	2.07E-03
629760	4279360	1.10E-02	8.19E-03	9.14E-03	4.97E-03	4.33E-04	4.27E-03	1.17E-02	1.19E-02	2.69E-03	3.30E-03	1.98E-03
629520	4279380	2.01E-02	1.50E-02	1.67E-02	9.07E-03	7.90E-04	7.79E-03	2.13E-02	2.16E-02	4.91E-03	6.03E-03	3.61E-03
629540	4279380	1.91E-02	1.42E-02	1.58E-02	8.62E-03	7.50E-04	7.40E-03	2.03E-02	2.06E-02	4.66E-03	5.73E-03	3.42E-03
629560	4279380	1.81E-02	1.35E-02	1.50E-02	8.18E-03	7.12E-04	7.03E-03	1.92E-02	1.95E-02	4.43E-03	5.44E-03	3.25E-03
629580	4279380	1.72E-02	1.28E-02	1.43E-02	7.77E-03	6.76E-04	6.67E-03	1.83E-02	1.85E-02	4.20E-03	5.16E-03	3.09E-03
629600	4279380	1.63E-02	1.22E-02	1.36E-02	7.38E-03	6.42E-04	6.33E-03	1.73E-02	1.76E-02	3.99E-03	4.90E-03	2.93E-03
629620	4279380	1.55E-02	1.15E-02	1.29E-02	7.01E-03	6.10E-04	6.02E-03	1.65E-02	1.67E-02	3.79E-03	4.66E-03	2.78E-03
629640	4279380	1.47E-02	1.10E-02	1.22E-02	6.66E-03	5.80E-04	5.72E-03	1.57E-02	1.59E-02	3.60E-03	4.43E-03	2.65E-03
629660	4279380	1.40E-02	1.04E-02	1.16E-02	6.33E-03	5.51E-04	5.44E-03	1.49E-02	1.51E-02	3.43E-03	4.21E-03	2.52E-03
629680	4279380	1.33E-02	9.94E-03	1.11E-02	6.03E-03	5.25E-04	5.18E-03	1.42E-02	1.44E-02	3.26E-03	4.01E-03	2.40E-03
629700	4279380	1.27E-02	9.46E-03	1.06E-02	5.74E-03	5.00E-04	4.93E-03	1.35E-02	1.37E-02	3.11E-03	3.82E-03	2.28E-03
629720	4279380	1.21E-02	9.02E-03	1.01E-02	5.47E-03	4.76E-04	4.70E-03	1.29E-02	1.31E-02	2.96E-03	3.64E-03	2.18E-03
629740	4279380	1.16E-02	8.60E-03	9.60E-03	5.22E-03	4.54E-04	4.48E-03	1.23E-02	1.25E-02	2.82E-03	3.47E-03	2.07E-03
629520	4279400	1.99E-02	1.48E-02	1.65E-02	9.00E-03	7.83E-04	7.73E-03	2.12E-02	2.15E-02	4.87E-03	5.98E-03	3.58E-03
629540	4279400	1.89E-02	1.41E-02	1.57E-02	8.56E-03	7.45E-04	7.35E-03	2.01E-02	2.04E-02	4.63E-03	5.69E-03	3.40E-03
629560	4279400	1.80E-02	1.34E-02	1.50E-02	8.14E-03	7.08E-04	6.99E-03	1.91E-02	1.94E-02	4.40E-03	5.41E-03	3.23E-03
629580	4279400	1.71E-02	1.28E-02	1.42E-0								

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Campus										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
629160	4279700	2.19E-02	1.63E-02	1.82E-02	9.87E-03	8.59E-04	8.48E-03	2.32E-02	2.36E-02	5.34E-03	6.56E-03	3.92E-03
629180	4279700	2.19E-02	1.63E-02	1.82E-02	9.87E-03	8.60E-04	8.48E-03	2.32E-02	2.36E-02	5.34E-03	6.56E-03	3.92E-03
629200	4279700	2.18E-02	1.62E-02	1.81E-02	9.86E-03	8.58E-04	8.46E-03	2.32E-02	2.35E-02	5.33E-03	6.55E-03	3.92E-03
629220	4279700	2.17E-02	1.62E-02	1.80E-02	9.81E-03	8.54E-04	8.43E-03	2.31E-02	2.34E-02	5.31E-03	6.52E-03	3.90E-03
629240	4279700	2.16E-02	1.61E-02	1.79E-02	9.75E-03	8.49E-04	8.38E-03	2.29E-02	2.33E-02	5.28E-03	6.48E-03	3.88E-03
629260	4279700	2.14E-02	1.59E-02	1.78E-02	9.67E-03	8.42E-04	8.30E-03	2.27E-02	2.31E-02	5.23E-03	6.43E-03	3.84E-03
629280	4279700	2.12E-02	1.58E-02	1.76E-02	9.57E-03	8.33E-04	8.22E-03	2.25E-02	2.28E-02	5.18E-03	6.36E-03	3.80E-03
629300	4279700	2.09E-02	1.56E-02	1.74E-02	9.45E-03	8.22E-04	8.11E-03	2.22E-02	2.25E-02	5.11E-03	6.28E-03	3.76E-03
629320	4279700	2.06E-02	1.52E-02	1.71E-02	9.31E-03	8.10E-04	8.00E-03	2.19E-02	2.22E-02	5.04E-03	6.19E-03	3.70E-03
629340	4279700	2.03E-02	1.51E-02	1.68E-02	9.16E-03	7.97E-04	7.86E-03	2.15E-02	2.18E-02	4.95E-03	6.09E-03	3.64E-03
629360	4279700	1.99E-02	1.48E-02	1.65E-02	8.99E-03	7.83E-04	7.72E-03	2.11E-02	2.15E-02	4.86E-03	5.98E-03	3.57E-03
629380	4279700	1.95E-02	1.45E-02	1.62E-02	8.81E-03	7.67E-04	7.57E-03	2.07E-02	2.10E-02	4.77E-03	5.86E-03	3.50E-03
629400	4279700	1.91E-02	1.42E-02	1.59E-02	8.63E-03	7.51E-04	7.41E-03	2.03E-02	2.06E-02	4.67E-03	5.74E-03	3.43E-03
629420	4279700	1.87E-02	1.39E-02	1.55E-02	8.43E-03	7.34E-04	7.24E-03	1.98E-02	2.01E-02	4.56E-03	5.60E-03	3.35E-03
629440	4279720	2.10E-02	1.57E-02	1.75E-02	9.50E-03	8.27E-04	8.16E-03	2.23E-02	2.27E-02	5.14E-03	6.32E-03	3.78E-03
629160	4279720	2.11E-02	1.57E-02	1.75E-02	9.53E-03	8.30E-04	8.18E-03	2.24E-02	2.27E-02	5.16E-03	6.34E-03	3.79E-03
629180	4279720	2.11E-02	1.57E-02	1.75E-02	9.54E-03	8.31E-04	8.19E-03	2.24E-02	2.28E-02	5.16E-03	6.34E-03	3.79E-03
629200	4279720	2.11E-02	1.57E-02	1.75E-02	9.53E-03	8.30E-04	8.18E-03	2.24E-02	2.27E-02	5.15E-03	6.33E-03	3.79E-03
629220	4279720	2.10E-02	1.57E-02	1.75E-02	9.50E-03	8.27E-04	8.15E-03	2.23E-02	2.27E-02	5.14E-03	6.31E-03	3.77E-03
629240	4279720	2.09E-02	1.56E-02	1.74E-02	9.44E-03	8.22E-04	8.11E-03	2.22E-02	2.25E-02	5.11E-03	6.28E-03	3.75E-03
629260	4279720	2.08E-02	1.54E-02	1.72E-02	9.37E-03	8.16E-04	8.05E-03	2.20E-02	2.24E-02	5.07E-03	6.23E-03	3.73E-03
629280	4279720	2.06E-02	1.53E-02	1.71E-02	9.28E-03	8.08E-04	7.97E-03	2.18E-02	2.21E-02	5.02E-03	6.17E-03	3.69E-03
629300	4279720	2.03E-02	1.51E-02	1.69E-02	9.18E-03	7.99E-04	7.88E-03	2.16E-02	2.19E-02	4.97E-03	6.10E-03	3.65E-03
629320	4279720	2.00E-02	1.49E-02	1.67E-02	9.06E-03	7.88E-04	7.78E-03	2.13E-02	2.16E-02	4.90E-03	6.02E-03	3.60E-03
629340	4279720	1.97E-02	1.47E-02	1.64E-02	8.92E-03	7.76E-04	7.66E-03	2.10E-02	2.13E-02	4.82E-03	5.93E-03	3.54E-03
629360	4279720	1.94E-02	1.44E-02	1.61E-02	8.76E-03	7.63E-04	7.52E-03	2.06E-02	2.09E-02	4.74E-03	5.82E-03	3.48E-03
629380	4279720	1.90E-02	1.42E-02	1.58E-02	8.60E-03	7.48E-04	7.38E-03	2.02E-02	2.05E-02	4.65E-03	5.72E-03	3.42E-03
629400	4279720	1.87E-02	1.39E-02	1.55E-02	8.43E-03	7.33E-04	7.24E-03	1.98E-02	2.01E-02	4.56E-03	5.60E-03	3.35E-03
629420	4279720	1.82E-02	1.36E-02	1.52E-02	8.24E-03	7.18E-04	7.08E-03	1.94E-02	1.97E-02	4.46E-03	5.48E-03	3.28E-03
629160	4279740	2.03E-02	1.51E-02	1.69E-02	9.17E-03	7.98E-04	7.88E-03	2.16E-02	2.19E-02	4.96E-03	6.10E-03	3.64E-03
629180	4279740	2.04E-02	1.52E-02	1.70E-02	9.20E-03	8.01E-04	7.91E-03	2.16E-02	2.20E-02	4.98E-03	6.12E-03	3.66E-03
629200	4279740	2.04E-02	1.52E-02	1.70E-02	9.22E-03	8.03E-04	7.92E-03	2.17E-02	2.20E-02	4.99E-03	6.13E-03	3.66E-03
629220	4279740	2.04E-02	1.52E-02	1.69E-02	9.22E-03	8.02E-04	7.92E-03	2.17E-02	2.20E-02	4.99E-03	6.13E-03	3.66E-03
629240	4279740	2.03E-02	1.52E-02	1.69E-02	9.19E-03	8.00E-04	7.90E-03	2.16E-02	2.19E-02	4.97E-03	6.11E-03	3.65E-03
629260	4279740	2.04E-02	1.51E-02	1.68E-02	9.15E-03	7.97E-04	7.86E-03	2.15E-02	2.18E-02	4.95E-03	6.08E-03	3.64E-03
629280	4279740	2.01E-02	1.50E-02	1.67E-02	9.09E-03	7.91E-04	7.81E-03	2.14E-02	2.17E-02	4.92E-03	6.04E-03	3.61E-03
629300	4279740	2.00E-02	1.49E-02	1.66E-02	9.01E-03	7.85E-04	7.74E-03	2.12E-02	2.15E-02	4.88E-03	5.99E-03	3.58E-03
629320	4279740	1.97E-02	1.47E-02	1.64E-02	8.92E-03	7.76E-04	7.66E-03	2.10E-02	2.13E-02	4.82E-03	5.93E-03	3.54E-03
629340	4279740	1.95E-02	1.45E-02	1.62E-02	8.81E-03	7.67E-04	7.56E-03	2.07E-02	2.10E-02	4.76E-03	5.85E-03	3.50E-03
629360	4279740	1.92E-02	1.43E-02	1.60E-02	8.68E-03	7.56E-04	7.45E-03	2.04E-02	2.07E-02	4.70E-03	5.77E-03	3.45E-03
629380	4279740	1.89E-02	1.41E-02	1.57E-02	8.54E-03	7.43E-04	7.33E-03	2.01E-02	2.04E-02	4.62E-03	5.68E-03	3.39E-03
629400	4279740	1.86E-02	1.38E-02	1.54E-02	8.39E-03	7.30E-04	7.20E-03	1.97E-02	2.00E-02	4.54E-03	5.58E-03	3.33E-03
629420	4279740	1.82E-02	1.36E-02	1.52E-02	8.23E-03	7.16E-04	7.07E-03	1.94E-02	1.96E-02	4.45E-03	5.47E-03	3.27E-03
629240	4279760	1.78E-02	1.33E-02	1.48E-02	8.06E-03	7.02E-04	6.92E-03	1.90E-02	1.92E-02	4.36E-03	5.36E-03	3.20E-03
629260	4279760	1.68E-02	1.25E-02	1.40E-02	7.59E-03	6.61E-04	6.52E-03	1.79E-02	1.81E-02	4.11E-03	5.05E-03	3.02E-03
629280	4279760	1.71E-02	1.28E-02	1.42E-02	7.74E-03	6.74E-04	6.65E-03	1.82E-02	1.85E-02	4.19E-03	5.15E-03	3.08E-03
629300	4279760	1.71E-02	1.28E-02	1.42E-02	7.74E-03	6.74E-04	6.65E-03	1.82E-02	1.85E-02	4.19E-03	5.15E-03	3.08E-03
629320	4279760	1.78E-02	1.32E-02	1.48E-02	8.03E-03	6.99E-04	6.90E-03	1.89E-02	1.92E-02	4.34E-03	5.34E-03	3.19E-03
629340	4279760	1.81E-02	1.35E-02	1.50E-02	8.17E-03	7.11E-04	7.02E-03	1.92E-02	1.95E-02	4.42E-03	5.43E-03	3.25E-03
629360	4279760	1.84E-02	1.37E-02	1.53E-02	8.30E-03	7.23E-04	7.13E-03	1.95E-02	1.98E-02	4.49E-03	5.52E-03	3.30E-03
629380	4279760	1.87E-02	1.39E-02	1.55E-02	8.43E-03	7.34E-04	7.24E-03	1.98E-02	2.01E-02	4.56E-03	5.60E-03	3.35E-03
629400	4279760	1.89E-02	1.41E-02	1.57E-02	8.54E-03	7.43E-04	7.33E-03	2.01E-02	2.04E-02	4.62E-03	5.68E-03	3.39E-03
629420	4279760	1.91E-02	1.42E-02	1.59E-02	8.64E-03	7.52E-04	7.42E-03	2.03E-02	2.06E-02	4.67E-03	5.74E-03	3.43E-03
629160	4279780	1.93E-02	1.44E-02	1.60E-02	8.73E-03	7.60E-04	7.49E-03	2.05E-02	2.08E-02	4.72E-03	5.80E-03	3.47E-03
629180	4279780	1.95E-02	1.45E-02	1.62E-02	8.80E-03	7.66E-04	7.56E-03	2.07E-02	2.10E-02	4.76E-03	5.85E-03	3.50E-03
629200	4279780	1.96E-02	1.46E-02	1.63E-02	8.85E-03	7.71E-04	7.60E-03	2.08E-02	2.11E-02	4.79E-03	5.89E-03	3.52E-03
629220	4279780	1.97E-02	1.47E-02	1.63E-02	8.89E-03	7.74E-04	7.63E-03	2.09E-02	2.12E-02	4.81E-03	5.91E-03	3.53E-03
629240	4279780	1.97E-02	1.47E-02	1.64E-02	8.91E-03	7.76E-04	7.65E-03	2.10E-02	2.13E-02	4.82E-03	5.92E-03	3.54E-03
629260	4279780	1.97E-02	1.47E-02	1.64E-02	8.92E-03	7.76E-04	7.66E-03	2.10E-02	2.13E-02	4.82E-03	5.93E-03	3.54E-03
629280	4279780	1.97E-02	1.47E-02	1.64E-02	8.90E-03	7.75E-04	7.64E-03	2.09E-02	2.12E-02	4.81E-03	5.92E-03	3.54E-03
629300	4279780	1.96E-02	1.46E-02	1.63E-02	8.87E-03	7.72E-04	7.61E-03	2.09E-02	2.12E-02	4.80E-03	5.89E-03	3.52E-03
629320	4279780	1.95E-02	1.45E-02	1.62E-02	8.82E-03	7.68E-04	7.57E-03	2.07E-02	2.10E-02	4.77E-03	5.86E-03	3.50E-03
629340	4279780	1.94E-02	1.44E-02	1.61E-02	8.75E-03	7.62E-04	7.51E-03	2.06E-02	2.09E-02	4.73E-03	5.82E-03	3.48E-03
629360	4279780	1.92E-02	1.43E-02	1.59E-02	8.66E-03	7.54E-04	7.44E-03	2.04E-02	2.07E-02	4.69E-03	5.76E-03	3.44E-03
629380	4279780	1.90E-02	1.41E-02	1.57E-02	8.56E-03	7.45E-04	7.35E-03	2.01E-02	2.04E-02	4.63E-03	5.69E-03	3.40E-03
629400	4279780	1.87E-02	1.39E-02	1.55E-02	8.45E-03	7.36E-04	7.26E-03	1.99E-02	2.02E-02	4.57E-03	5.62E-03	3.36E-03
629420	4279780	1.84E-02	1.37E-02	1.53E-02	8.32E-03	7.25E-04	7.15E-03	1.96E-02	1.99E-02	4.50E-03	5.53E-03	3.31E-03
629160	4279800	1.81E-02	1.35E-02	1.51E-02	8.18E-03	7.13E-04	7.03E-03	1.93E-02	1.95E-02	4.43E-03	5.44E-03	3.25E-03
629180	4279800	1.78E-02	1.32E-02	1.48E-02	8.04E-03	7.00E-04	6.90E-03	1.89E-02	1.92E-02	4.35E-03	5.34E-03	3.19E-03
629200	4279800	1.74E-02	1.30E-02	1.45E-02	7.88E-03	6.86E-04	6.77E-03	1.85E-02	1.88E-02	4.26E-03	5.24E-03	3.13E-03
629220	4279800	1.62E-02	1.21E-02	1.35E-02								

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Campus										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
629180	4279800	1.85E-02	1.37E-02	1.53E-02	8.34E-03	7.26E-04	7.16E-03	1.96E-02	1.99E-02	4.51E-03	5.55E-03	3.32E-03
629200	4279800	1.85E-02	1.38E-02	1.54E-02	8.36E-03	7.27E-04	7.18E-03	1.97E-02	1.99E-02	4.52E-03	5.55E-03	3.32E-03
629220	4279800	1.85E-02	1.38E-02	1.54E-02	8.35E-03	7.27E-04	7.17E-03	1.96E-02	1.99E-02	4.52E-03	5.55E-03	3.32E-03
629240	4279800	1.85E-02	1.37E-02	1.53E-02	8.34E-03	7.26E-04	7.16E-03	1.96E-02	1.99E-02	4.51E-03	5.54E-03	3.31E-03
629260	4279800	1.84E-02	1.37E-02	1.53E-02	8.30E-03	7.23E-04	7.13E-03	1.95E-02	1.98E-02	4.49E-03	5.52E-03	3.30E-03
629280	4279800	1.83E-02	1.36E-02	1.52E-02	8.25E-03	7.18E-04	7.08E-03	1.94E-02	1.97E-02	4.46E-03	5.48E-03	3.28E-03
629300	4279800	1.81E-02	1.35E-02	1.50E-02	8.18E-03	7.12E-04	7.03E-03	1.92E-02	1.95E-02	4.43E-03	5.44E-03	3.25E-03
629320	4279800	1.79E-02	1.34E-02	1.49E-02	8.10E-03	7.05E-04	6.96E-03	1.91E-02	1.93E-02	4.38E-03	5.39E-03	3.22E-03
629340	4279800	1.77E-02	1.32E-02	1.47E-02	8.01E-03	6.97E-04	6.88E-03	1.88E-02	1.91E-02	4.33E-03	5.33E-03	3.18E-03
629360	4279800	1.75E-02	1.30E-02	1.45E-02	7.91E-03	6.89E-04	6.79E-03	1.86E-02	1.89E-02	4.28E-03	5.26E-03	3.14E-03
629380	4279800	1.73E-02	1.28E-02	1.43E-02	7.79E-03	6.78E-04	6.69E-03	1.83E-02	1.86E-02	4.22E-03	5.18E-03	3.10E-03
629400	4279800	1.51E-02	1.13E-02	1.26E-02	6.83E-03	5.95E-04	5.87E-03	1.61E-02	1.63E-02	3.70E-03	4.54E-03	2.71E-03
629420	4279800	1.54E-02	1.15E-02	1.28E-02	6.96E-03	6.06E-04	5.98E-03	1.64E-02	1.66E-02	3.77E-03	4.63E-03	2.77E-03
629440	4279800	1.57E-02	1.17E-02	1.30E-02	7.09E-03	6.17E-04	6.09E-03	1.67E-02	1.69E-02	3.84E-03	4.72E-03	2.82E-03
629460	4279800	1.60E-02	1.19E-02	1.33E-02	7.22E-03	6.29E-04	6.20E-03	1.70E-02	1.72E-02	3.91E-03	4.80E-03	2.87E-03
629480	4279800	1.63E-02	1.21E-02	1.35E-02	7.35E-03	6.40E-04	6.31E-03	1.73E-02	1.75E-02	3.98E-03	4.89E-03	2.92E-03
629500	4279800	1.65E-02	1.23E-02	1.37E-02	7.47E-03	6.50E-04	6.41E-03	1.76E-02	1.78E-02	4.04E-03	4.97E-03	2.97E-03
629520	4279800	1.68E-02	1.25E-02	1.39E-02	7.58E-03	6.60E-04	6.51E-03	1.78E-02	1.81E-02	4.10E-03	5.04E-03	3.01E-03
629540	4279800	1.70E-02	1.27E-02	1.41E-02	7.68E-03	6.69E-04	6.60E-03	1.81E-02	1.83E-02	4.16E-03	5.11E-03	3.05E-03
629560	4279800	1.72E-02	1.28E-02	1.43E-02	7.78E-03	6.77E-04	6.68E-03	1.83E-02	1.86E-02	4.21E-03	5.17E-03	3.09E-03
629580	4279800	1.74E-02	1.30E-02	1.45E-02	7.86E-03	6.84E-04	6.75E-03	1.85E-02	1.88E-02	4.25E-03	5.23E-03	3.13E-03
629600	4279800	1.76E-02	1.31E-02	1.46E-02	7.94E-03	6.91E-04	6.82E-03	1.87E-02	1.89E-02	4.29E-03	5.28E-03	3.15E-03
629620	4279800	1.77E-02	1.32E-02	1.47E-02	8.00E-03	6.96E-04	6.87E-03	1.88E-02	1.91E-02	4.33E-03	5.32E-03	3.18E-03
629640	4279800	1.78E-02	1.33E-02	1.48E-02	8.04E-03	7.00E-04	6.91E-03	1.89E-02	1.92E-02	4.35E-03	5.35E-03	3.20E-03
629660	4279800	1.79E-02	1.33E-02	1.49E-02	8.08E-03	7.03E-04	6.94E-03	1.90E-02	1.93E-02	4.37E-03	5.37E-03	3.21E-03
629680	4279800	1.79E-02	1.33E-02	1.49E-02	8.09E-03	7.05E-04	6.95E-03	1.90E-02	1.93E-02	4.38E-03	5.38E-03	3.22E-03
629700	4279800	1.79E-02	1.33E-02	1.49E-02	8.10E-03	7.05E-04	6.95E-03	1.90E-02	1.93E-02	4.38E-03	5.38E-03	3.22E-03
629720	4279800	1.79E-02	1.33E-02	1.49E-02	8.08E-03	7.04E-04	6.94E-03	1.90E-02	1.93E-02	4.37E-03	5.37E-03	3.21E-03
629740	4279800	1.78E-02	1.33E-02	1.48E-02	8.06E-03	7.01E-04	6.92E-03	1.89E-02	1.92E-02	4.36E-03	5.36E-03	3.20E-03
629760	4279800	1.77E-02	1.32E-02	1.47E-02	8.01E-03	6.97E-04	6.88E-03	1.88E-02	1.91E-02	4.33E-03	5.33E-03	3.18E-03
629780	4279800	1.76E-02	1.31E-02	1.46E-02	7.95E-03	6.93E-04	6.83E-03	1.87E-02	1.90E-02	4.30E-03	5.29E-03	3.16E-03
629800	4279800	1.75E-02	1.30E-02	1.45E-02	7.88E-03	6.86E-04	6.77E-03	1.85E-02	1.88E-02	4.27E-03	5.24E-03	3.13E-03
629820	4279800	1.73E-02	1.29E-02	1.43E-02	7.80E-03	6.79E-04	6.70E-03	1.84E-02	1.86E-02	4.22E-03	5.19E-03	3.10E-03
629840	4279800	1.71E-02	1.27E-02	1.42E-02	7.71E-03	6.71E-04	6.62E-03	1.81E-02	1.84E-02	4.17E-03	5.13E-03	3.06E-03
629860	4279800	1.64E-02	1.09E-02	1.21E-02	6.61E-03	5.75E-04	5.67E-03	1.55E-02	1.58E-02	3.57E-03	4.39E-03	2.63E-03
629880	4279800	1.49E-02	1.11E-02	1.24E-02	6.73E-03	5.86E-04	5.78E-03	1.58E-02	1.61E-02	3.64E-03	4.47E-03	2.68E-03
629900	4279800	1.55E-02	1.13E-02	1.26E-02	6.86E-03	5.97E-04	5.89E-03	1.61E-02	1.64E-02	3.71E-03	4.56E-03	2.73E-03
629920	4279800	1.55E-02	1.15E-02	1.28E-02	6.98E-03	6.08E-04	6.00E-03	1.64E-02	1.67E-02	3.78E-03	4.64E-03	2.77E-03
629940	4279800	1.57E-02	1.17E-02	1.31E-02	7.10E-03	6.18E-04	6.10E-03	1.67E-02	1.69E-02	3.84E-03	4.72E-03	2.82E-03
629960	4279800	1.60E-02	1.19E-02	1.33E-02	7.22E-03	6.28E-04	6.20E-03	1.70E-02	1.72E-02	3.90E-03	4.80E-03	2.87E-03
629980	4279800	1.62E-02	1.21E-02	1.35E-02	7.33E-03	6.38E-04	6.29E-03	1.72E-02	1.75E-02	3.96E-03	4.87E-03	2.91E-03
630000	4279800	1.64E-02	1.22E-02	1.37E-02	7.43E-03	6.47E-04	6.38E-03	1.75E-02	1.77E-02	4.02E-03	4.94E-03	2.95E-03
630020	4279800	1.67E-02	1.24E-02	1.38E-02	7.52E-03	6.55E-04	6.46E-03	1.77E-02	1.79E-02	4.07E-03	5.00E-03	2.99E-03
630040	4279800	1.68E-02	1.25E-02	1.40E-02	7.61E-03	6.62E-04	6.53E-03	1.79E-02	1.81E-02	4.11E-03	5.06E-03	3.02E-03
630060	4279800	1.70E-02	1.27E-02	1.41E-02	7.68E-03	6.68E-04	6.59E-03	1.81E-02	1.83E-02	4.15E-03	5.10E-03	3.05E-03
630080	4279800	1.71E-02	1.28E-02	1.42E-02	7.74E-03	6.74E-04	6.65E-03	1.82E-02	1.85E-02	4.19E-03	5.15E-03	3.08E-03
630100	4279800	1.72E-02	1.28E-02	1.43E-02	7.79E-03	6.78E-04	6.69E-03	1.83E-02	1.86E-02	4.21E-03	5.18E-03	3.09E-03
630120	4279800	1.73E-02	1.29E-02	1.44E-02	7.82E-03	6.81E-04	6.72E-03	1.84E-02	1.87E-02	4.23E-03	5.20E-03	3.11E-03
630140	4279800	1.74E-02	1.29E-02	1.44E-02	7.84E-03	6.83E-04	6.74E-03	1.84E-02	1.87E-02	4.24E-03	5.21E-03	3.12E-03
630160	4279800	1.74E-02	1.29E-02	1.44E-02	7.85E-03	6.83E-04	6.74E-03	1.85E-02	1.87E-02	4.25E-03	5.22E-03	3.12E-03
630180	4279800	1.74E-02	1.29E-02	1.44E-02	7.84E-03	6.83E-04	6.74E-03	1.84E-02	1.87E-02	4.24E-03	5.21E-03	3.12E-03
630200	4279800	1.73E-02	1.29E-02	1.44E-02	7.82E-03	6.81E-04	6.72E-03	1.84E-02	1.87E-02	4.23E-03	5.20E-03	3.11E-03
630220	4279800	1.72E-02	1.28E-02	1.43E-02	7.79E-03	6.78E-04	6.69E-03	1.83E-02	1.86E-02	4.21E-03	5.18E-03	3.09E-03
630240	4279800	1.73E-02	1.29E-02	1.44E-02	7.82E-03	6.81E-04	6.72E-03	1.84E-02	1.87E-02	4.23E-03	5.20E-03	3.11E-03
630260	4279800	1.72E-02	1.28E-02	1.43E-02	7.78E-03	6.78E-04	6.69E-03	1.83E-02	1.86E-02	4.21E-03	5.18E-03	3.09E-03
630280	4279800	1.71E-02	1.28E-02	1.42E-02	7.74E-03	6.73E-04	6.64E-03	1.82E-02	1.85E-02	4.18E-03	5.14E-03	3.07E-03
630300	4279800	1.70E-02	1.26E-02	1.41E-02	7.67E-03	6.68E-04	6.59E-03	1.80E-02	1.83E-02	4.15E-03	5.10E-03	3.05E-03
630320	4279800	1.68E-02	1.25E-02	1.40E-02	7.60E-03	6.62E-04	6.53E-03	1.79E-02	1.81E-02	4.11E-03	5.05E-03	3.02E-03
630340	4279800	1.66E-02	1.24E-02	1.38E-02	7.51E-03	6.54E-04	6.45E-03	1.77E-02	1.79E-02	4.06E-03	5.00E-03	2.99E-03
630360	4279800	1.42E-02	1.05E-02	1.18E-02	6.39E-03	5.56E-04	5.49E-03	1.50E-02	1.53E-02	3.46E-03	4.25E-03	2.54E-03
630380	4279800	1.44E-02	1.07E-02	1.20E-02	6.51E-03	5.67E-04	5.59E-03	1.53E-02	1.56E-02	3.52E-03	4.33E-03	2.59E-03
630400	4279800	1.47E-02	1.09E-02	1.22E-02	6.63E-03	5.78E-04	5.70E-03	1.56E-02	1.58E-02	3.59E-03	4.41E-03	2.64E-03
630420	4279800	1.49E-02	1.11E-02	1.24E-02	6.75E-03	5.88E-04	5.80E-03	1.59E-02	1.61E-02	3.65E-03	4.49E-03	2.68E-03
630440	4279800	1.52E-02	1.13E-02	1.26E-02	6.87E-03	5.98E-04	5.90E-03	1.62E-02	1.64E-02	3.71E-03	4.56E-03	2.73E-03
630460	4279800	1.55E-02	1.15E-02	1.28E-02	6.98E-03	6.08E-04	5.99E-03	1.64E-02	1.67E-02	3.78E-03	4.64E-03	2.77E-03
630480	4279860	1.57E-02	1.17E-02	1.30E-02	7.08E-03	6.17E-04	6.08E-03	1.67E-02	1.69E-02	3.83E-03	4.71E-03	2.82E-03
630500	4279860	1.59E-02	1.18E-02	1.32E-02	7.19E-03	6.25E-04	6.17E-03	1.69E-02	1.71E-02	3.89E-03	4.78E-03	2.86E-03
630520	4279860	1.61E-02	1.20E-02	1.34E-02	7.27E-03	6.33E-04	6.25E-03	1.71E-02	1.74E-02	3.94E-03	4.84E-03	2.89E-03
630540	4279860	1.63E-02	1.21E-02	1.35E-02	7.36E-03	6.41E-04	6.32E-03	1.73E-02	1.76E-02	3.98E-03	4.89E-03	2.93E-03
630560	4279860	1.65E-02	1.23E-02	1.37E-02	7.43E-03	6.47E-04	6.38E-03	1.75E-02	1.77E-02	4.02E-03	4.94E-03	2.95E-03
630580	4279860	1.66E-02	1.24E-02	1.38E-02</								

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Campus											HI			Receptor Determination
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	DPM	Max Year	HI	
629080	4279900	1.51E-02	1.12E-02	1.25E-02	6.82E-03	5.94E-04	5.86E-03	1.60E-02	1.63E-02	3.69E-03	4.53E-03	2.71E-03	1.63E-02	2029	3.25E-03	Inderkum High School
629100	4279900	1.53E-02	1.14E-02	1.27E-02	6.90E-03	6.01E-04	5.93E-03	1.62E-02	1.65E-02	3.74E-03	4.59E-03	2.74E-03	1.65E-02	2029	3.30E-03	Inderkum High School
629120	4279900	1.54E-02	1.15E-02	1.28E-02	6.97E-03	6.07E-04	5.99E-03	1.64E-02	1.66E-02	3.77E-03	4.64E-03	2.77E-03	1.66E-02	2029	3.33E-03	Inderkum High School
629140	4279900	1.56E-02	1.16E-02	1.29E-02	7.04E-03	6.13E-04	6.04E-03	1.66E-02	1.68E-02	3.81E-03	4.68E-03	2.80E-03	1.68E-02	2029	3.36E-03	Inderkum High School
629160	4279900	1.57E-02	1.17E-02	1.30E-02	7.09E-03	6.17E-04	6.09E-03	1.67E-02	1.69E-02	3.83E-03	4.71E-03	2.82E-03	1.69E-02	2029	3.38E-03	Inderkum High School
629180	4279900	1.58E-02	1.17E-02	1.31E-02	7.13E-03	6.20E-04	6.12E-03	1.68E-02	1.70E-02	3.86E-03	4.74E-03	2.83E-03	1.70E-02	2029	3.40E-03	Inderkum High School
629200	4279900	1.58E-02	1.18E-02	1.32E-02	7.15E-03	6.23E-04	6.14E-03	1.68E-02	1.71E-02	3.87E-03	4.76E-03	2.84E-03	1.71E-02	2029	3.41E-03	Inderkum High School
629220	4279900	1.59E-02	1.18E-02	1.32E-02	7.17E-03	6.24E-04	6.16E-03	1.69E-02	1.71E-02	3.88E-03	4.77E-03	2.85E-03	1.71E-02	2029	3.42E-03	Inderkum High School
629240	4279900	1.59E-02	1.18E-02	1.32E-02	7.18E-03	6.25E-04	6.16E-03	1.69E-02	1.71E-02	3.88E-03	4.77E-03	2.85E-03	1.71E-02	2029	3.43E-03	Inderkum High School
629260	4279900	1.59E-02	1.18E-02	1.32E-02	7.17E-03	6.24E-04	6.16E-03	1.69E-02	1.71E-02	3.88E-03	4.77E-03	2.85E-03	1.71E-02	2029	3.42E-03	Inderkum High School
629280	4279900	1.58E-02	1.18E-02	1.32E-02	7.15E-03	6.23E-04	6.14E-03	1.68E-02	1.71E-02	3.87E-03	4.75E-03	2.84E-03	1.71E-02	2029	3.41E-03	Inderkum High School
629300	4279900	1.58E-02	1.17E-02	1.31E-02	7.12E-03	6.20E-04	6.12E-03	1.67E-02	1.70E-02	3.85E-03	4.73E-03	2.83E-03	1.70E-02	2029	3.40E-03	Inderkum High School
628920	4279920	1.29E-02	9.58E-03	1.07E-02	5.81E-03	5.06E-04	4.99E-03	1.37E-02	1.39E-02	3.14E-03	3.86E-03	2.31E-03	1.39E-02	2029	2.77E-03	Inderkum High School
628940	4279920	1.31E-02	9.75E-03	1.09E-02	5.92E-03	5.15E-04	5.08E-03	1.39E-02	1.41E-02	3.20E-03	3.93E-03	2.35E-03	1.41E-02	2029	2.82E-03	Inderkum High School
628960	4279920	1.33E-02	9.93E-03	1.11E-02	6.03E-03	5.25E-04	5.17E-03	1.42E-02	1.44E-02	3.26E-03	4.01E-03	2.39E-03	1.44E-02	2029	2.88E-03	Inderkum High School
628980	4279920	1.36E-02	1.01E-02	1.13E-02	6.13E-03	5.34E-04	5.27E-03	1.44E-02	1.46E-02	3.32E-03	4.08E-03	2.44E-03	1.46E-02	2029	2.93E-03	Inderkum High School
629000	4279920	1.38E-02	1.03E-02	1.15E-02	6.24E-03	5.43E-04	5.36E-03	1.47E-02	1.49E-02	3.37E-03	4.15E-03	2.48E-03	1.49E-02	2029	2.98E-03	Inderkum High School
629020	4279920	1.40E-02	1.04E-02	1.17E-02	6.34E-03	5.52E-04	5.44E-03	1.49E-02	1.51E-02	3.43E-03	4.21E-03	2.52E-03	1.51E-02	2029	3.02E-03	Inderkum High School
629040	4279920	1.42E-02	1.06E-02	1.18E-02	6.43E-03	5.60E-04	5.53E-03	1.51E-02	1.54E-02	3.48E-03	4.28E-03	2.56E-03	1.54E-02	2029	3.07E-03	Inderkum High School
629060	4279920	1.44E-02	1.08E-02	1.20E-02	6.52E-03	5.68E-04	5.60E-03	1.53E-02	1.56E-02	3.53E-03	4.34E-03	2.59E-03	1.56E-02	2029	3.11E-03	Inderkum High School
629080	4279920	1.46E-02	1.09E-02	1.22E-02	6.61E-03	5.75E-04	5.68E-03	1.55E-02	1.58E-02	3.58E-03	4.39E-03	2.63E-03	1.58E-02	2029	3.15E-03	Inderkum High School
629100	4279920	1.48E-02	1.10E-02	1.23E-02	6.69E-03	5.83E-04	5.75E-03	1.57E-02	1.60E-02	3.62E-03	4.45E-03	2.66E-03	1.60E-02	2029	3.19E-03	Inderkum High School
629120	4279920	1.50E-02	1.11E-02	1.24E-02	6.76E-03	5.89E-04	5.81E-03	1.59E-02	1.61E-02	3.66E-03	4.50E-03	2.69E-03	1.61E-02	2029	3.23E-03	Inderkum High School
629140	4279920	1.51E-02	1.12E-02	1.25E-02	6.82E-03	5.94E-04	5.86E-03	1.60E-02	1.63E-02	3.69E-03	4.54E-03	2.71E-03	1.63E-02	2029	3.26E-03	Inderkum High School
629160	4279920	1.52E-02	1.13E-02	1.26E-02	6.87E-03	5.98E-04	5.90E-03	1.62E-02	1.64E-02	3.72E-03	4.57E-03	2.73E-03	1.64E-02	2029	3.28E-03	Inderkum High School
629180	4279920	1.53E-02	1.14E-02	1.27E-02	6.91E-03	6.02E-04	5.94E-03	1.63E-02	1.65E-02	3.74E-03	4.60E-03	2.75E-03	1.65E-02	2029	3.30E-03	Inderkum High School
629200	4279920	1.54E-02	1.14E-02	1.28E-02	6.94E-03	6.04E-04	5.96E-03	1.63E-02	1.66E-02	3.76E-03	4.62E-03	2.76E-03	1.66E-02	2029	3.31E-03	Inderkum High School
629220	4279920	1.54E-02	1.15E-02	1.28E-02	6.96E-03	6.06E-04	5.98E-03	1.64E-02	1.66E-02	3.77E-03	4.63E-03	2.77E-03	1.66E-02	2029	3.32E-03	Inderkum High School
629240	4279920	1.54E-02	1.15E-02	1.28E-02	6.97E-03	6.07E-04	5.99E-03	1.64E-02	1.66E-02	3.77E-03	4.64E-03	2.77E-03	1.66E-02	2029	3.33E-03	Inderkum High School
629260	4279920	1.54E-02	1.15E-02	1.28E-02	6.97E-03	6.07E-04	5.99E-03	1.64E-02	1.66E-02	3.77E-03	4.63E-03	2.77E-03	1.66E-02	2029	3.33E-03	Inderkum High School
629540	4278840	1.88E-02	1.40E-02	1.56E-02	8.50E-03	7.40E-04	7.30E-03	2.00E-02	2.03E-02	4.60E-03	5.65E-03	3.38E-03	2.03E-02	2029	4.06E-03	Little Blossom Montessori S
629540	4278820	1.89E-02	1.40E-02	1.57E-02	8.52E-03	7.41E-04	7.31E-03	2.00E-02	2.03E-02	4.61E-03	5.66E-03	3.38E-03	2.03E-02	2029	4.06E-03	Little Blossom Montessori S
629560	4278820	1.78E-02	1.32E-02	1.47E-02	8.02E-03	6.98E-04	6.89E-03	1.89E-02	1.91E-02	4.34E-03	5.33E-03	3.19E-03	1.91E-02	2029	3.83E-03	Little Blossom Montessori S
629580	4278820	1.68E-02	1.25E-02	1.39E-02	7.57E-03	6.59E-04	6.50E-03	1.78E-02	1.81E-02	4.09E-03	5.03E-03	3.01E-03	1.81E-02	2029	3.61E-03	Little Blossom Montessori S
629560	4278840	1.77E-02	1.32E-02	1.47E-02	8.00E-03	6.97E-04	6.87E-03	1.88E-02	1.91E-02	4.33E-03	5.32E-03	3.18E-03	1.91E-02	2029	3.82E-03	Little Blossom Montessori S

Innovation Park PUD

CNU Campus
 Mitigated CNU Campus Construction Hazard Index Calculations for Residential Child Receptor

Construction Emissions, as applied to AERMOD results

CNU Campus Construction	Year	Start Date	Stop Date	Days	Mitigated DPM	
					tons	g/s
	2022	2/1/2022	12/31/2022	334	1.09E-02	3.43E-04
	2023	1/1/2023	12/31/2023	365	1.01E-02	2.92E-04
	2024	1/1/2024	12/31/2024	366	1.23E-02	3.54E-04
	2025	1/1/2025	12/31/2025	365	8.11E-03	2.33E-04
	2026	1/1/2026	12/31/2026	365	6.80E-04	1.96E-05
	2027	1/1/2027	12/31/2027	365	6.50E-03	1.87E-04
	2028	1/1/2028	12/31/2028	366	1.84E-02	5.28E-04
	2029	1/1/2029	12/31/2029	365	1.86E-02	5.34E-04
	2030	1/1/2030	12/31/2030	365	2.82E-02	8.11E-04
	2031	1/1/2031	12/31/2031	365	2.65E-02	7.56E-04
	2032	1/1/2032	8/31/2032	244	6.18E-03	2.66E-04

DPM	5	ug/m ³
REL		

Max	UTM X	UTM Y
0.001	629220	4278520

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Campus										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
629540	4278320	8.13E-04	6.91E-04	8.39E-04	5.53E-04	4.63E-05	4.43E-04	1.25E-03	1.27E-03	1.92E-03	1.79E-03	6.30E-04
629560	4278320	7.78E-04	6.61E-04	8.03E-04	5.29E-04	4.44E-05	4.24E-04	1.20E-03	1.21E-03	1.84E-03	1.71E-03	6.03E-04
629540	4278340	8.29E-04	7.05E-04	8.55E-04	5.64E-04	4.73E-05	4.52E-04	1.27E-03	1.29E-03	1.96E-03	1.83E-03	6.43E-04
629560	4278340	7.93E-04	6.74E-04	8.18E-04	5.39E-04	4.52E-05	4.32E-04	1.22E-03	1.23E-03	1.87E-03	1.75E-03	6.14E-04
629580	4278340	7.59E-04	6.45E-04	7.82E-04	5.16E-04	4.32E-05	4.13E-04	1.17E-03	1.18E-03	1.79E-03	1.67E-03	5.88E-04
629520	4278360	8.86E-04	7.53E-04	9.14E-04	6.02E-04	5.05E-05	4.83E-04	1.36E-03	1.38E-03	2.09E-03	1.95E-03	6.86E-04
629540	4278360	8.45E-04	7.18E-04	8.72E-04	5.75E-04	4.82E-05	4.60E-04	1.30E-03	1.32E-03	2.00E-03	1.86E-03	6.55E-04
629560	4278360	8.07E-04	6.86E-04	8.32E-04	5.48E-04	4.60E-05	4.40E-04	1.24E-03	1.26E-03	1.91E-03	1.78E-03	6.25E-04
629580	4278360	7.71E-04	6.55E-04	7.95E-04	5.24E-04	4.39E-05	4.20E-04	1.18E-03	1.20E-03	1.82E-03	1.70E-03	5.97E-04
629600	4278360	7.36E-04	6.26E-04	7.59E-04	5.00E-04	4.20E-05	4.01E-04	1.13E-03	1.15E-03	1.74E-03	1.62E-03	5.70E-04
629620	4278360	7.04E-04	5.98E-04	7.26E-04	4.78E-04	4.01E-05	3.83E-04	1.08E-03	1.10E-03	1.66E-03	1.55E-03	5.45E-04
629640	4278360	6.73E-04	5.72E-04	6.94E-04	4.58E-04	3.84E-05	3.67E-04	1.03E-03	1.05E-03	1.59E-03	1.48E-03	5.22E-04
629660	4278360	6.45E-04	5.48E-04	6.65E-04	4.38E-04	3.67E-05	3.51E-04	9.91E-04	1.00E-03	1.52E-03	1.42E-03	4.99E-04
629680	4278360	6.18E-04	5.25E-04	6.37E-04	4.20E-04	3.52E-05	3.36E-04	9.49E-04	9.61E-04	1.46E-03	1.36E-03	4.78E-04
629700	4278360	5.92E-04	5.03E-04	6.11E-04	4.02E-04	3.37E-05	3.22E-04	9.10E-04	9.21E-04	1.40E-03	1.30E-03	4.59E-04
629720	4278360	5.68E-04	4.83E-04	5.86E-04	3.86E-04	3.24E-05	3.09E-04	8.73E-04	8.84E-04	1.34E-03	1.25E-03	4.40E-04
629520	4278380	9.03E-04	7.68E-04	9.32E-04	6.14E-04	5.15E-05	4.92E-04	1.39E-03	1.41E-03	2.13E-03	1.99E-03	7.00E-04
629540	4278380	8.61E-04	7.31E-04	8.88E-04	5.85E-04	4.90E-05	4.69E-04	1.32E-03	1.34E-03	2.03E-03	1.90E-03	6.67E-04
629560	4278380	8.20E-04	6.97E-04	8.46E-04	5.57E-04	4.67E-05	4.47E-04	1.26E-03	1.28E-03	1.94E-03	1.81E-03	6.35E-04
629580	4278380	7.82E-04	6.65E-04	8.07E-04	5.32E-04	4.46E-05	4.26E-04	1.20E-03	1.22E-03	1.85E-03	1.72E-03	6.06E-04
629600	4278380	7.46E-04	6.34E-04	7.69E-04	5.07E-04	4.25E-05	4.06E-04	1.15E-03	1.16E-03	1.76E-03	1.64E-03	5.78E-04
629620	4278380	7.12E-04	6.05E-04	7.35E-04	4.84E-04	4.06E-05	3.88E-04	1.09E-03	1.11E-03	1.68E-03	1.57E-03	5.52E-04
629640	4278380	6.81E-04	5.78E-04	7.02E-04	4.63E-04	3.88E-05	3.71E-04	1.05E-03	1.06E-03	1.61E-03	1.50E-03	5.27E-04
629660	4278380	6.51E-04	5.53E-04	6.71E-04	4.42E-04	3.71E-05	3.55E-04	1.00E-03	1.01E-03	1.54E-03	1.43E-03	5.04E-04
629680	4278380	6.23E-04	5.29E-04	6.43E-04	4.23E-04	3.55E-05	3.39E-04	9.58E-04	9.70E-04	1.47E-03	1.37E-03	4.83E-04
629700	4278380	5.97E-04	5.07E-04	6.16E-04	4.06E-04	3.40E-05	3.25E-04	9.18E-04	9.29E-04	1.41E-03	1.32E-03	4.63E-04
629720	4278380	5.72E-04	4.86E-04	5.90E-04	3.89E-04	3.26E-05	3.12E-04	8.80E-04	8.91E-04	1.35E-03	1.26E-03	4.44E-04
629500	4278400	9.69E-04	8.23E-04	9.99E-04	6.58E-04	5.52E-05	5.28E-04	1.49E-03	1.51E-03	2.29E-03	2.13E-03	7.51E-04
629520	4278400	9.21E-04	7.82E-04	9.49E-04	6.26E-04	5.25E-05	5.01E-04	1.41E-03	1.43E-03	2.17E-03	2.03E-03	7.13E-04
629540	4278400	8.75E-04	7.44E-04	9.02E-04	5.95E-04	4.99E-05	4.77E-04	1.34E-03	1.36E-03	2.07E-03	1.93E-03	6.78E-04
629560	4278400	8.33E-04	7.08E-04	8.59E-04	5.66E-04	4.75E-05	4.54E-04	1.28E-03	1.30E-03	1.97E-03	1.83E-03	6.45E-04
629580	4278400	7.93E-04	6.74E-04	8.18E-04	5.39E-04	4.52E-05	4.32E-04	1.22E-03	1.23E-03	1.87E-03	1.75E-03	6.14E-04
629600	4278400	7.55E-04	6.42E-04	7.79E-04	5.13E-04	4.30E-05	4.11E-04	1.16E-03	1.18E-03	1.78E-03	1.66E-03	5.85E-04
629620	4278400	7.21E-04	6.12E-04	7.43E-04	4.90E-04	4.11E-05	3.92E-04	1.11E-03	1.12E-03	1.70E-03	1.59E-03	5.58E-04
629640	4278400	6.88E-04	5.84E-04	7.09E-04	4.67E-04	3.92E-05	3.75E-04	1.06E-03	1.07E-03	1.62E-03	1.52E-03	5.33E-04
629660	4278400	6.57E-04	5.58E-04	6.78E-04	4.47E-04	3.75E-05	3.58E-04	1.01E-03	1.02E-03	1.55E-03	1.45E-03	5.09E-04
629680	4278400	6.29E-04	5.34E-04	6.48E-04	4.27E-04	3.58E-05	3.42E-04	9.66E-04	9.78E-04	1.48E-03	1.38E-03	4.87E-04
629700	4278400	6.02E-04	5.12E-04	6.21E-04	4.09E-04	3.43E-05	3.28E-04	9.25E-04	9.37E-04	1.42E-03	1.33E-03	4.66E-04
629720	4278400	5.77E-04	4.90E-04	5.99E-04	3.92E-04	3.29E-05	3.14E-04	8.87E-04	8.98E-04	1.36E-03	1.27E-03	4.47E-04
629480	4278420	1.04E-03	8.87E-04	1.08E-03	7.09E-04	5.95E-05	5.68E-04	1.60E-03	1.62E-03	2.46E-03	2.30E-03	8.08E-04
629500	4278420	9.88E-04	8.39E-04	1.02E-03	6.71E-04	5.63E-05	5.38E-04	1.52E-03	1.54E-03	2.33E-03	2.18E-03	7.65E-04
629520	4278420	9.37E-04	7.96E-04	9.66E-04	6.37E-04	5.34E-05	5.10E-04	1.44E-03	1.46E-03	2.21E-03	2.06E-03	7.26E-04
629540	4278420	8.89E-04	7.55E-04	9.17E-04	6.04E-04	5.07E-05	4.84E-04	1.37E-03	1.38E-03	2.10E-03	1.96E-03	6.89E-04
629560	4278420	8.45E-04	7.18E-04	8.71E-04	5.74E-04	4.81E-05	4.60E-04	1.30E-03	1.31E-03	2.00E-03	1.86E-03	6.54E-04
629580	4278420	8.03E-04	6.82E-04	8.28E-04	5.46E-04	4.58E-05	4.37E-04	1.23E-03	1.25E-03	1.90E-03	1.77E-03	6.22E-04
629600	4278420	7.64E-04	6.49E-04	7.88E-04	5.19E-04	4.35E-05	4.16E-04	1.17E-03	1.19E-03	1.81E-03	1.68E-03	5.92E-04
629620	4278420	7.28E-04	6.19E-04	7.51E-04	4.95E-04	4.15E-05	3.97E-04	1.12E-03	1.13E-03	1.72E-03	1.60E-03	5.64E-04
629640	4278420	6.94E-04	5.90E-04	7.16E-04	4.72E-04	3.96E-05	3.78E-04	1.07E-03	1.08E-03	1.64E-03	1.53E-03	5.38E-04
629660	4278420	6.63E-04	5.63E-04	6.84E-04	4.51E-04	3.78E-05	3.61E-04	1.02E-03	1.03E-03	1.57E-03	1.46E-03	5.14E-04
629680	4278420	6.34E-04	5.39E-04	6.54E-04	4.31E-04	3.61E-05	3.45E-04	9.74E-04	9.86E-04	1.50E-03	1.40E-03	4.91E-04
629700	4278420	6.07E-04	5.16E-04	6.12E-04	4.12E-04	3.46E-05	3.30E-04	9.32E-04	9.44E-04	1.43E-03	1.34E-03	4.70E-04
629720	4278420	5.81E-04	4.94E-04	6.00E-04	3.95E-04	3.31E-05	3.17E-04	8.93E-04	9.05E-04	1.37E-03	1.28E-03	4.50E-04
629480	4278440	1.06E-03	9.04E-04	1.10E-03	7.23E-04	6.06E-05	5.79E-04	1.63E-03	1.65E-03	2.51E-03	2.34E-03	8.24E-04
629500	4278440	1.01E-03	8.55E-04	1.04E-03	6.84E-04	5.73E-05	5.48E-04	1.55E-03	1.57E-03	2.38E-03	2.22E-03	7.79E-04
629520	4278440	9.52E-04	8.09E-04	9.82E-04	6.47E-04	5.43E-05	5.19E-04	1.46E-03	1.48E-03	2.25E-03	2.10E-03	7.38E-04
629540	4278440	9.02E-04	7.67E-04	9.30E-04	6.13E-04	5.14E-05	4.91E-04	1.39E-03	1.40E-03	2.13E-03	1.99E-03	6.99E-04
629560	4278440	8.56E-04	7.27E-04	8.83E-04	5.82E-04	4.88E-05	4.66E-04	1.32E-03	1.33E-03	2.02E-03	1.89E-03	6.63E-04
629580	4278440	8.13E-04	6.90E-04	8.38E-04	5.52E-04	4.63E-05	4.43E-04	1.25E-03	1.26E-03	1.92E-03	1.79E-03	6.29E-04
629600	4278440	7.72E-04	6.56E-04	7.97E-04	5.25E-04	4.40E-05	4.21E-04	1.19E-03	1.20E-03	1.82E-03	1.70E-03	5.98E-04
629620	4278440	7.35E-04	6.25E-04	7.58E-04	5.00E-04	4.19E-05	4.01E-04	1.13E-03	1.14E-03	1.74E-03	1.62E-03	5.70E-04
629640	4278440	7.01E-04	5.96E-04	7.23E-04	4.76E-04	3.99E-05	3.82E-04	1.08E-03	1.09E-03	1.66E-03	1.54E-03	5.43E-04
629660	4278440	6.69E-04	5.68E-04	6.90E-04	4.55E-04	3.81E-05	3.64E-04	1.03E-03	1.04E-03	1.58E-03	1.47E-03	5.18E-04
629680												

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Campus										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
629600	4278480	7.88E-04	6.69E-04	8.12E-04	5.35E-04	4.49E-05	4.29E-04	1.21E-03	1.23E-03	1.86E-03	1.74E-03	6.10E-04
629620	4278480	7.49E-04	6.36E-04	7.72E-04	5.09E-04	4.27E-05	4.08E-04	1.15E-03	1.17E-03	1.77E-03	1.65E-03	5.80E-04
629640	4278480	7.13E-04	6.06E-04	7.35E-04	4.85E-04	4.06E-05	3.88E-04	1.10E-03	1.11E-03	1.68E-03	1.57E-03	5.52E-04
629660	4278480	6.80E-04	5.78E-04	7.01E-04	4.62E-04	3.87E-05	3.70E-04	1.04E-03	1.06E-03	1.61E-03	1.50E-03	5.27E-04
629680	4278480	6.49E-04	5.51E-04	6.69E-04	4.41E-04	3.70E-05	3.54E-04	9.97E-04	1.01E-03	1.53E-03	1.43E-03	5.03E-04
629700	4278480	6.21E-04	5.27E-04	6.40E-04	4.22E-04	3.54E-05	3.38E-04	9.54E-04	9.66E-04	1.47E-03	1.37E-03	4.81E-04
629720	4278480	5.94E-04	5.05E-04	6.13E-04	4.04E-04	3.39E-05	3.24E-04	9.13E-04	9.25E-04	1.40E-03	1.31E-03	4.60E-04
629740	4278500	1.27E-03	1.08E-03	1.31E-03	8.66E-04	7.26E-05	6.94E-04	1.96E-03	1.98E-03	3.01E-03	2.81E-03	9.87E-04
629760	4278500	1.19E-03	1.01E-03	1.23E-03	8.10E-04	6.79E-05	6.49E-04	1.83E-03	1.86E-03	2.82E-03	2.63E-03	9.24E-04
629780	4278500	1.12E-03	9.52E-04	1.15E-03	7.61E-04	6.38E-05	6.10E-04	1.72E-03	1.74E-03	2.65E-03	2.47E-03	8.68E-04
629800	4278500	1.05E-03	8.95E-04	1.09E-03	7.16E-04	6.00E-05	5.74E-04	1.62E-03	1.64E-03	2.49E-03	2.32E-03	8.16E-04
629820	4278500	9.92E-04	8.43E-04	1.02E-03	6.74E-04	5.65E-05	5.40E-04	1.52E-03	1.54E-03	2.34E-03	2.19E-03	7.69E-04
629840	4278500	9.36E-04	7.95E-04	9.65E-04	6.36E-04	5.33E-05	5.10E-04	1.44E-03	1.46E-03	2.21E-03	2.06E-03	7.25E-04
629860	4278500	8.85E-04	7.52E-04	9.13E-04	6.01E-04	5.24E-05	4.82E-04	1.36E-03	1.38E-03	2.09E-03	1.95E-03	6.86E-04
629880	4278500	8.38E-04	7.12E-04	8.64E-04	5.69E-04	4.77E-05	4.56E-04	1.29E-03	1.30E-03	1.98E-03	1.85E-03	6.49E-04
629900	4278500	7.95E-04	6.75E-04	8.20E-04	5.40E-04	4.53E-05	4.33E-04	1.22E-03	1.24E-03	1.88E-03	1.75E-03	6.16E-04
629920	4278500	7.55E-04	6.42E-04	7.79E-04	5.13E-04	4.30E-05	4.11E-04	1.16E-03	1.18E-03	1.78E-03	1.66E-03	5.85E-04
629940	4278500	7.19E-04	6.11E-04	7.41E-04	4.88E-04	4.10E-05	3.91E-04	1.10E-03	1.12E-03	1.70E-03	1.58E-03	5.57E-04
629960	4278500	6.85E-04	5.82E-04	7.06E-04	4.66E-04	3.90E-05	3.73E-04	1.05E-03	1.07E-03	1.62E-03	1.51E-03	5.31E-04
629980	4278500	6.54E-04	5.56E-04	6.74E-04	4.44E-04	3.73E-05	3.56E-04	1.00E-03	1.02E-03	1.54E-03	1.44E-03	5.07E-04
629990	4278500	6.25E-04	5.31E-04	6.45E-04	4.25E-04	3.56E-05	3.40E-04	9.61E-04	9.73E-04	1.48E-03	1.38E-03	4.84E-04
630010	4278500	5.98E-04	5.09E-04	6.17E-04	4.07E-04	3.41E-05	3.26E-04	9.20E-04	9.31E-04	1.41E-03	1.32E-03	4.64E-04
630030	4278520	1.39E-03	1.18E-03	1.44E-03	9.46E-04	7.93E-05	7.58E-04	2.14E-03	2.17E-03	3.29E-03	3.07E-03	1.08E-03
630050	4278520	1.30E-03	1.10E-03	1.34E-03	8.80E-04	7.38E-05	7.06E-04	1.99E-03	2.02E-03	3.06E-03	2.85E-03	1.00E-03
630070	4278520	1.21E-03	1.03E-03	1.25E-03	8.23E-04	6.90E-05	6.60E-04	1.86E-03	1.88E-03	2.86E-03	2.67E-03	9.38E-04
630090	4278520	1.14E-03	9.65E-04	1.17E-03	7.72E-04	6.47E-05	6.19E-04	1.75E-03	1.77E-03	2.68E-03	2.50E-03	8.80E-04
630110	4278520	1.07E-03	9.06E-04	1.10E-03	7.25E-04	6.08E-05	5.81E-04	1.64E-03	1.66E-03	2.52E-03	2.35E-03	8.26E-04
630130	4278520	1.00E-03	8.53E-04	1.03E-03	6.82E-04	5.72E-05	5.47E-04	1.54E-03	1.56E-03	2.37E-03	2.21E-03	7.77E-04
630150	4278520	9.46E-04	8.04E-04	9.75E-04	6.43E-04	5.39E-05	5.15E-04	1.45E-03	1.47E-03	2.23E-03	2.08E-03	7.33E-04
630170	4278520	8.93E-04	7.59E-04	9.21E-04	6.07E-04	5.09E-05	4.87E-04	1.37E-03	1.39E-03	2.11E-03	1.97E-03	6.92E-04
630190	4278520	8.45E-04	7.18E-04	8.72E-04	5.74E-04	4.82E-05	4.60E-04	1.30E-03	1.32E-03	2.00E-03	1.86E-03	6.55E-04
630210	4278520	8.01E-04	6.81E-04	8.26E-04	5.45E-04	4.57E-05	4.37E-04	1.23E-03	1.25E-03	1.89E-03	1.77E-03	6.21E-04
630230	4278520	7.61E-04	6.47E-04	7.85E-04	5.17E-04	4.34E-05	4.15E-04	1.17E-03	1.18E-03	1.80E-03	1.68E-03	5.90E-04
630250	4278520	7.24E-04	6.16E-04	7.47E-04	4.92E-04	4.13E-05	3.95E-04	1.11E-03	1.13E-03	1.71E-03	1.60E-03	5.61E-04
630270	4278520	6.90E-04	5.87E-04	7.12E-04	4.69E-04	3.93E-05	3.76E-04	1.06E-03	1.07E-03	1.63E-03	1.52E-03	5.35E-04
630290	4278520	6.59E-04	5.60E-04	6.79E-04	4.48E-04	3.75E-05	3.59E-04	1.01E-03	1.03E-03	1.56E-03	1.45E-03	5.10E-04
630310	4278520	6.30E-04	5.35E-04	6.49E-04	4.28E-04	3.59E-05	3.43E-04	9.68E-04	9.80E-04	1.49E-03	1.39E-03	4.88E-04
630330	4278520	6.03E-04	5.12E-04	6.21E-04	4.10E-04	3.43E-05	3.28E-04	9.26E-04	9.38E-04	1.42E-03	1.33E-03	4.67E-04
630350	4278540	1.42E-03	1.21E-03	1.46E-03	9.65E-04	8.09E-05	7.73E-04	2.18E-03	2.21E-03	3.35E-03	3.13E-03	1.10E-03
630370	4278540	1.32E-03	1.12E-03	1.36E-03	8.96E-04	7.51E-05	7.18E-04	2.03E-03	2.05E-03	3.11E-03	2.90E-03	1.02E-03
630390	4278540	1.23E-03	1.05E-03	1.27E-03	8.36E-04	7.01E-05	6.70E-04	1.89E-03	1.91E-03	2.91E-03	2.71E-03	9.53E-04
630410	4278540	1.15E-03	9.78E-04	1.19E-03	7.82E-04	6.56E-05	6.27E-04	1.77E-03	1.79E-03	2.72E-03	2.53E-03	8.91E-04
630430	4278540	1.08E-03	9.17E-04	1.11E-03	7.33E-04	6.15E-05	5.88E-04	1.66E-03	1.68E-03	2.55E-03	2.38E-03	8.36E-04
630450	4278540	1.01E-03	8.61E-04	1.05E-03	6.89E-04	5.78E-05	5.52E-04	1.56E-03	1.58E-03	2.39E-03	2.23E-03	7.85E-04
630470	4278540	9.55E-04	8.12E-04	9.85E-04	6.49E-04	5.44E-05	5.20E-04	1.47E-03	1.49E-03	2.26E-03	2.10E-03	7.40E-04
630490	4278540	9.01E-04	7.66E-04	9.30E-04	6.13E-04	5.14E-05	4.91E-04	1.39E-03	1.40E-03	2.13E-03	1.99E-03	6.98E-04
630510	4278540	8.52E-04	7.24E-04	8.79E-04	5.79E-04	4.86E-05	4.64E-04	1.31E-03	1.33E-03	2.01E-03	1.88E-03	6.60E-04
630530	4278540	8.08E-04	6.87E-04	8.33E-04	5.49E-04	4.60E-05	4.40E-04	1.24E-03	1.26E-03	1.91E-03	1.78E-03	6.26E-04
630550	4278540	7.67E-04	6.52E-04	7.91E-04	5.21E-04	4.37E-05	4.18E-04	1.18E-03	1.19E-03	1.81E-03	1.69E-03	5.94E-04
630570	4278540	7.30E-04	6.20E-04	7.53E-04	4.96E-04	4.16E-05	3.98E-04	1.12E-03	1.14E-03	1.72E-03	1.61E-03	5.65E-04
630590	4278540	6.95E-04	5.91E-04	7.17E-04	4.73E-04	3.96E-05	3.79E-04	1.07E-03	1.08E-03	1.64E-03	1.53E-03	5.39E-04
630610	4278540	6.63E-04	5.64E-04	6.84E-04	4.51E-04	3.78E-05	3.61E-04	1.02E-03	1.03E-03	1.57E-03	1.46E-03	5.14E-04
630630	4278540	6.34E-04	5.39E-04	6.43E-04	4.31E-04	3.61E-05	3.45E-04	9.74E-04	9.86E-04	1.50E-03	1.40E-03	4.91E-04
630650	4278540	6.07E-04	5.15E-04	6.26E-04	4.12E-04	3.46E-05	3.30E-04	9.32E-04	9.44E-04	1.43E-03	1.34E-03	4.70E-04
630670	4278560	1.25E-03	1.06E-03	1.29E-03	8.47E-04	7.10E-05	6.79E-04	1.92E-03	1.94E-03	2.94E-03	2.75E-03	9.66E-04
630690	4278560	1.16E-03	9.89E-04	1.20E-03	7.91E-04	6.63E-05	6.34E-04	1.79E-03	1.81E-03	2.75E-03	2.56E-03	9.02E-04
630710	4278560	1.09E-03	9.26E-04	1.12E-03	7.41E-04	6.21E-05	5.94E-04	1.68E-03	1.70E-03	2.58E-03	2.40E-03	8.45E-04
630730	4278560	1.02E-03	8.70E-04	1.06E-03	6.96E-04	5.83E-05	5.58E-04	1.57E-03	1.59E-03	2.42E-03	2.26E-03	7.93E-04
630750	4278560	9.64E-04	8.19E-04	9.94E-04	6.55E-04	5.49E-05	5.25E-04	1.48E-03	1.50E-03	2.28E-03	2.12E-03	7.46E-04
630770	4278560	9.09E-04	7.72E-04	9.37E-04	6.18E-04	5.18E-05	4.95E-04	1.40E-03	1.41E-03	2.15E-03	2.00E-03	7.04E-04
630790	4278560	8.59E-04	7.30E-04	8.86E-04	5.84E-04	4.90E-05	4.68E-04	1.32E-03	1.34E-03	2.03E-03	1.89E-03	6.66E-04
630810	4278560	8.14E-04	6.92E-04	8.39E-04	5.53E-04	4.64E-05	4.43E-04	1.25E-03	1.27E-03	1.92E-03	1.79E-03	6.31E-04
630830	4278560	7.73E-04	6.57E-04	7.97E-04	5.25E-04	4.40E-05	4.21E-04	1.19E-03	1.20E-03	1.83E-03	1.70E-03	5.99E-04
630850	4278560	7.35E-04	6.25E-04	7.58E-04	5.00E-04	4.19E-05	4.00E-04	1.13E-03	1.14E-03	1.74E-03	1.62E-03	5.69E-04
630870	4278560	7.00E-04	5.95E-04	7.22E-04	4.76E-04	3.99E-05	3.81E-04	1.08E-03	1.09E-03	1.65E-03	1.54E-03	5.42E-04
630890	4278560	6.68E-04	5.67E-04	6.89E-04	4.54E-04	3.81E-05	3.64E-04	1.03E-03	1.04E-03	1.58E-03	1.47E-03	5.17E-04
630910	4278560	6.38E-04	5.42E-04	6.58E-04	4.34E-04	3.64E-05	3.47E-04	9.80E-04	9.93E-04	1.51E-03	1.41E-03	4.94E-04
630930	4278560	6.10E-04	5.19E-04	6.30E-04	4.15E-04	3.48E-05	3.32E-04	9.38E-04	9.50E-04	1.44E-03	1.34E-03	4.73E-04
630950	4278580	1.18E-03	1.00E-03	1.21E-03	8.00E-04	6.70E-05	6.41E-04	1.81E-03	1.83E-03	2.78E-03	2.59E-03	9.11E-04
630970	4278580	1.10E-03	9.35E-04	1.13E-03	7.48E-04	6.27E-05	5.99E-04	1.69E-03	1.71E-03	2.60E-03	2.42E-03	8.53E-04
630990	4278580	1.03E-03	8.77E-04	1.0								

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Campus														
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032				
629180	4278220	1.16E-03	9.86E-04	1.20E-03	7.88E-04	6.61E-05	6.32E-04	1.78E-03	1.81E-03	2.74E-03	2.56E-03	8.99E-04	2.74E-03	2030	5.48E-04	Residential
629100	4278240	1.23E-03	1.05E-03	1.27E-03	8.37E-04	7.02E-05	6.71E-04	1.89E-03	1.92E-03	2.91E-03	2.71E-03	9.54E-04	2.91E-03	2030	5.82E-04	Residential
629120	4278240	1.24E-03	1.05E-03	1.28E-03	8.42E-04	7.06E-05	6.75E-04	1.90E-03	1.93E-03	2.93E-03	2.73E-03	9.59E-04	2.93E-03	2030	5.85E-04	Residential
629140	4278240	1.24E-03	1.06E-03	1.28E-03	8.44E-04	7.08E-05	6.77E-04	1.91E-03	1.93E-03	2.93E-03	2.74E-03	9.62E-04	2.93E-03	2030	5.87E-04	Residential
629160	4278240	1.24E-03	1.05E-03	1.28E-03	8.43E-04	7.07E-05	6.76E-04	1.91E-03	1.93E-03	2.93E-03	2.73E-03	9.61E-04	2.93E-03	2030	5.86E-04	Residential
629180	4278240	1.24E-03	1.05E-03	1.27E-03	8.40E-04	7.04E-05	6.73E-04	1.90E-03	1.92E-03	2.92E-03	2.72E-03	9.57E-04	2.92E-03	2030	5.84E-04	Residential
629200	4278240	1.23E-03	1.04E-03	1.26E-03	8.33E-04	6.98E-05	6.67E-04	1.88E-03	1.91E-03	2.89E-03	2.70E-03	9.49E-04	2.89E-03	2030	5.79E-04	Residential
629220	4278240	1.21E-03	1.03E-03	1.25E-03	8.24E-04	6.91E-05	6.60E-04	1.86E-03	1.89E-03	2.86E-03	2.67E-03	9.39E-04	2.86E-03	2030	5.73E-04	Residential
629240	4278240	1.19E-03	1.01E-03	1.23E-03	8.12E-04	6.80E-05	6.50E-04	1.84E-03	1.86E-03	2.82E-03	2.63E-03	9.25E-04	2.82E-03	2030	5.64E-04	Residential
629260	4278240	1.17E-03	9.97E-04	1.21E-03	7.98E-04	6.69E-05	6.39E-04	1.80E-03	1.83E-03	2.77E-03	2.59E-03	9.09E-04	2.77E-03	2030	5.55E-04	Residential
629280	4278240	1.15E-03	9.77E-04	1.19E-03	7.81E-04	6.55E-05	6.26E-04	1.77E-03	1.79E-03	2.72E-03	2.53E-03	8.90E-04	2.72E-03	2030	5.43E-04	Residential
629300	4278240	1.12E-03	9.53E-04	1.16E-03	7.62E-04	6.39E-05	6.11E-04	1.72E-03	1.74E-03	2.65E-03	2.47E-03	8.69E-04	2.65E-03	2030	5.30E-04	Residential
629320	4278240	1.09E-03	9.30E-04	1.13E-03	7.43E-04	6.23E-05	5.96E-04	1.68E-03	1.70E-03	2.58E-03	2.41E-03	8.47E-04	2.58E-03	2030	5.17E-04	Residential
629340	4278260	1.33E-03	1.13E-03	1.38E-03	9.07E-04	7.61E-05	7.27E-04	2.05E-03	2.08E-03	3.15E-03	2.94E-03	1.03E-03	3.15E-03	2030	6.31E-04	Residential
629360	4278260	1.33E-03	1.13E-03	1.37E-03	9.03E-04	7.58E-05	7.24E-04	2.04E-03	2.07E-03	3.14E-03	2.93E-03	1.03E-03	3.14E-03	2030	6.28E-04	Residential
629380	4278260	1.32E-03	1.12E-03	1.36E-03	8.97E-04	7.52E-05	7.19E-04	2.03E-03	2.05E-03	3.12E-03	2.91E-03	1.02E-03	3.12E-03	2030	6.24E-04	Residential
629400	4278260	1.31E-03	1.11E-03	1.35E-03	8.88E-04	7.44E-05	7.11E-04	2.01E-03	2.03E-03	3.09E-03	2.88E-03	1.01E-03	3.09E-03	2030	6.17E-04	Residential
629220	4278260	1.29E-03	1.09E-03	1.33E-03	8.75E-04	7.34E-05	7.01E-04	1.98E-03	2.00E-03	3.04E-03	2.84E-03	9.98E-04	3.04E-03	2030	6.08E-04	Residential
629240	4278260	1.27E-03	1.08E-03	1.30E-03	8.60E-04	7.21E-05	6.89E-04	1.94E-03	1.97E-03	2.99E-03	2.79E-03	9.80E-04	2.99E-03	2030	5.98E-04	Residential
629260	4278260	1.24E-03	1.05E-03	1.28E-03	8.43E-04	7.07E-05	6.75E-04	1.91E-03	1.93E-03	2.93E-03	2.73E-03	9.61E-04	2.93E-03	2030	5.86E-04	Residential
629280	4278260	1.21E-03	1.03E-03	1.25E-03	8.23E-04	6.90E-05	6.59E-04	1.86E-03	1.88E-03	2.86E-03	2.67E-03	9.38E-04	2.86E-03	2030	5.72E-04	Residential
629300	4278260	1.18E-03	1.00E-03	1.21E-03	8.01E-04	6.71E-05	6.42E-04	1.81E-03	1.83E-03	2.78E-03	2.60E-03	9.13E-04	2.78E-03	2030	5.57E-04	Residential
629320	4278260	1.15E-03	9.74E-04	1.18E-03	7.79E-04	6.53E-05	6.24E-04	1.76E-03	1.78E-03	2.71E-03	2.52E-03	8.88E-04	2.71E-03	2030	5.41E-04	Residential
629340	4278260	1.11E-03	9.43E-04	1.14E-03	7.54E-04	6.32E-05	6.05E-04	1.71E-03	1.73E-03	2.62E-03	2.45E-03	8.60E-04	2.62E-03	2030	5.24E-04	Residential
629360	4278260	1.07E-03	9.11E-04	1.11E-03	7.29E-04	6.11E-05	5.84E-04	1.65E-03	1.67E-03	2.53E-03	2.36E-03	8.31E-04	2.53E-03	2030	5.07E-04	Residential
629380	4278260	1.03E-03	8.79E-04	1.07E-03	7.03E-04	5.90E-05	5.64E-04	1.59E-03	1.61E-03	2.44E-03	2.28E-03	8.02E-04	2.44E-03	2030	4.89E-04	Residential
629400	4278260	9.97E-04	8.47E-04	1.03E-03	6.78E-04	5.68E-05	5.43E-04	1.53E-03	1.55E-03	2.36E-03	2.20E-03	7.72E-04	2.36E-03	2030	4.71E-04	Residential
629420	4278260	9.60E-04	8.16E-04	9.90E-04	6.52E-04	5.47E-05	5.23E-04	1.48E-03	1.49E-03	2.27E-03	2.12E-03	7.44E-04	2.27E-03	2030	4.54E-04	Residential
629440	4278260	9.23E-04	7.85E-04	9.52E-04	6.27E-04	5.26E-05	5.03E-04	1.42E-03	1.44E-03	2.18E-03	2.03E-03	7.15E-04	2.18E-03	2030	4.36E-04	Residential
629460	4278260	8.87E-04	7.54E-04	9.15E-04	6.03E-04	5.06E-05	4.83E-04	1.36E-03	1.38E-03	2.10E-03	1.96E-03	6.88E-04	2.10E-03	2030	4.19E-04	Residential
629480	4278280	1.43E-03	1.21E-03	1.47E-03	9.70E-04	8.13E-05	7.77E-04	2.19E-03	2.22E-03	3.37E-03	3.14E-03	1.11E-03	3.37E-03	2030	6.74E-04	Residential
629500	4278280	1.41E-03	1.20E-03	1.46E-03	9.59E-04	8.04E-05	7.69E-04	2.17E-03	2.20E-03	3.33E-03	3.11E-03	1.09E-03	3.33E-03	2030	6.67E-04	Residential
629520	4278280	1.39E-03	1.18E-03	1.44E-03	9.47E-04	7.94E-05	7.59E-04	2.14E-03	2.17E-03	3.29E-03	3.07E-03	1.08E-03	3.29E-03	2030	6.59E-04	Residential
629540	4278280	1.37E-03	1.17E-03	1.41E-03	9.32E-04	7.82E-05	7.47E-04	2.11E-03	2.13E-03	3.24E-03	3.02E-03	1.06E-03	3.24E-03	2030	6.48E-04	Residential
629560	4278280	1.34E-03	1.14E-03	1.39E-03	9.13E-04	7.66E-05	7.32E-04	2.07E-03	2.09E-03	3.18E-03	2.96E-03	1.04E-03	3.18E-03	2030	6.35E-04	Residential
629580	4278280	1.31E-03	1.12E-03	1.35E-03	8.92E-04	7.48E-05	7.15E-04	2.02E-03	2.04E-03	3.10E-03	2.89E-03	1.02E-03	3.10E-03	2030	6.20E-04	Residential
629600	4278280	1.28E-03	1.09E-03	1.32E-03	8.68E-04	7.28E-05	6.96E-04	1.96E-03	1.99E-03	3.02E-03	2.81E-03	9.90E-04	3.02E-03	2030	6.04E-04	Residential
629620	4278280	1.24E-03	1.05E-03	1.28E-03	8.42E-04	7.06E-05	6.75E-04	1.90E-03	1.93E-03	2.93E-03	2.73E-03	9.60E-04	2.93E-03	2030	5.85E-04	Residential
629640	4278280	1.20E-03	1.02E-03	1.24E-03	8.16E-04	6.84E-05	6.54E-04	1.84E-03	1.87E-03	2.84E-03	2.64E-03	9.30E-04	2.84E-03	2030	5.67E-04	Residential
629660	4278280	1.16E-03	9.86E-04	1.20E-03	7.88E-04	6.61E-05	6.32E-04	1.78E-03	1.81E-03	2.74E-03	2.56E-03	8.99E-04	2.74E-03	2030	5.48E-04	Residential
629680	4278280	1.12E-03	9.50E-04	1.15E-03	7.59E-04	6.37E-05	6.09E-04	1.72E-03	1.74E-03	2.64E-03	2.46E-03	8.66E-04	2.64E-03	2030	5.28E-04	Residential
629700	4278280	1.08E-03	9.14E-04	1.11E-03	7.31E-04	6.13E-05	5.86E-04	1.65E-03	1.67E-03	2.54E-03	2.37E-03	8.34E-04	2.54E-03	2030	5.08E-04	Residential
629720	4278280	1.03E-03	8.79E-04	1.07E-03	7.03E-04	5.90E-05	5.63E-04	1.59E-03	1.61E-03	2.44E-03	2.28E-03	8.01E-04	2.44E-03	2030	4.89E-04	Residential
629740	4278280	9.93E-04	8.44E-04	1.02E-03	6.75E-04	5.66E-05	5.41E-04	1.53E-03	1.55E-03	2.35E-03	2.19E-03	7.69E-04	2.35E-03	2030	4.69E-04	Residential
629760	4278280	9.53E-04	8.10E-04	9.83E-04	6.48E-04	5.43E-05	5.19E-04	1.47E-03	1.48E-03	2.25E-03	2.10E-03	7.38E-04	2.25E-03	2030	4.50E-04	Residential
629780	4278280	9.14E-04	7.77E-04	9.43E-04	6.21E-04	5.21E-05	4.98E-04	1.41E-03	1.42E-03	2.16E-03	2.01E-03	7.08E-04	2.16E-03	2030	4.32E-04	Residential
629800	4278280	8.78E-04	7.46E-04	9.05E-04	5.96E-04	5.00E-05	4.78E-04	1.35E-03	1.37E-03	2.07E-03	1.93E-03	6.80E-04	2.07E-03	2030	4.15E-04	Residential
629820	4278280	8.44E-04	7.17E-04	8.70E-04	5.73E-04	4.81E-05	4.59E-04	1.30E-03	1.31E-03	1.99E-03	1.86E-03	6.54E-04	1.99E-03	2030	3.99E-04	Residential
629840	4278300	1.49E-03	1.26E-03	1.53E-03	1.01E-03	8.48E-05	8.10E-04	2.29E-03	2.31E-03	3.51E-03	3.28E-03	1.15E-03	3.51E-03	2030	7.03E-04	Residential
629860	4278300	1.46E-03	1.24E-03	1.50E-03	9.92E-04	8.31E-05	7.95E-04	2.24E-03	2.27E-03	3.45E-03	3.21E-03	1.13E-03	3.45E-03	2030	6.89E-04	Residential
629880	4278300	1.43E-03	1.21E-03	1.47E-03	9.69E-04	8.12E-05	7.77E-04	2.19E-03	2.22E-03	3.37E-03	3.14E-03	1.10E-03	3.37E-03	2030	6.74E-04	Residential
629900	4278300	1.39E-03	1.18E-03	1.43E-03	9.44E-04	7.91E-05	7.56E-04	2.13E-03	2.16E-03	3.28E-03	3.06E-03	1.08E-03	3.28E-03	2030	6.56E-04	Residential
629920	4278300	1.35E-03	1.15E-03	1.39E-03	9.16E-04	7.68E-05	7.34E-04	2.07E-03	2.10E-03	3.18E-03	2.97E-03	1.04E-03	3.18E-03	2030	6.37E-04	Residential
629940	4278300	1.30E-03	1.11E-03	1.34E-03	8.84E-04	7.41E-05	7.09E-04	2.00E-03	2.02E-03	3.07E-03	2.87E-03	1.01E-03	3.07E-03	2030	6.15E-04	Residential
629960	4278300	1.26E-03	1.07E-03	1.30E-03	8.55E-04	7.17E-05	6.85E-04	1.93E-03	1.96E-03	2.97E-03	2.77E-03	9.75E-04	2.97E-03	2030	5.94E-04	Residential
629980	4278300	1.21E-03	1.03E-03	1.25E-03	8.24E-04	6.91E-05	6.60E-04	1.86E-03	1.89E-03	2.86E-03	2.67E-03	9.39E-04	2.86E-03	2030	5.73E-04	Residential
629990	4278300	1.17E-03	9.90E-04	1.20E-03	7.92E-04	6.64E-05	6.35E									

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Campus										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
629440	4278360	1.07E-03	9.13E-04	1.11E-03	7.30E-04	6.12E-05	5.85E-04	1.65E-03	1.67E-03	2.54E-03	2.37E-03	8.33E-04
629460	4278360	1.02E-03	8.69E-04	1.05E-03	6.95E-04	5.82E-05	5.57E-04	1.57E-03	1.59E-03	2.41E-03	2.25E-03	7.92E-04
629480	4278360	9.73E-04	8.27E-04	1.00E-03	6.62E-04	5.55E-05	5.30E-04	1.50E-03	1.51E-03	2.30E-03	2.14E-03	7.54E-04
629500	4278360	9.30E-04	7.90E-04	9.59E-04	6.32E-04	5.30E-05	5.07E-04	1.43E-03	1.45E-03	2.20E-03	2.05E-03	7.21E-04
629140	4278380	2.11E-03	1.79E-03	2.17E-03	1.43E-03	1.20E-04	1.15E-03	3.24E-03	3.28E-03	4.98E-03	4.64E-03	1.63E-03
629160	4278380	2.06E-03	1.75E-03	2.13E-03	1.40E-03	1.18E-04	1.12E-03	3.17E-03	3.21E-03	4.87E-03	4.55E-03	1.60E-03
629180	4278380	2.01E-03	1.71E-03	2.08E-03	1.37E-03	1.15E-04	1.10E-03	3.09E-03	3.13E-03	4.76E-03	4.44E-03	1.56E-03
629200	4278380	1.95E-03	1.66E-03	2.02E-03	1.33E-03	1.11E-04	1.06E-03	3.00E-03	3.04E-03	4.62E-03	4.31E-03	1.51E-03
629280	4278380	1.67E-03	1.42E-03	1.72E-03	1.13E-03	9.51E-05	9.09E-04	2.56E-03	2.60E-03	3.94E-03	3.68E-03	1.29E-03
629300	4278380	1.59E-03	1.35E-03	1.64E-03	1.08E-03	9.05E-05	8.65E-04	2.44E-03	2.47E-03	3.75E-03	3.50E-03	1.23E-03
629320	4278380	1.51E-03	1.29E-03	1.56E-03	1.03E-03	8.62E-05	8.24E-04	2.32E-03	2.35E-03	3.57E-03	3.33E-03	1.17E-03
629340	4278380	1.44E-03	1.22E-03	1.48E-03	9.77E-04	8.19E-05	7.83E-04	2.21E-03	2.24E-03	3.40E-03	3.17E-03	1.11E-03
629360	4278380	1.36E-03	1.16E-03	1.41E-03	9.26E-04	7.76E-05	7.42E-04	2.09E-03	2.12E-03	3.22E-03	3.00E-03	1.06E-03
629380	4278380	1.29E-03	1.10E-03	1.33E-03	8.78E-04	7.36E-05	7.04E-04	1.99E-03	2.01E-03	3.05E-03	2.85E-03	1.00E-03
629400	4278380	1.23E-03	1.04E-03	1.26E-03	8.33E-04	6.99E-05	6.68E-04	1.88E-03	1.91E-03	2.90E-03	2.70E-03	9.50E-04
629420	4278380	1.16E-03	9.89E-04	1.20E-03	7.91E-04	6.64E-05	6.34E-04	1.79E-03	1.81E-03	2.75E-03	2.57E-03	9.02E-04
629440	4278380	1.11E-03	9.39E-04	1.14E-03	7.51E-04	6.30E-05	6.02E-04	1.70E-03	1.72E-03	2.61E-03	2.43E-03	8.56E-04
629460	4278380	1.05E-03	8.92E-04	1.08E-03	7.14E-04	5.99E-05	5.72E-04	1.61E-03	1.63E-03	2.48E-03	2.31E-03	8.14E-04
629480	4278380	9.99E-04	8.49E-04	1.03E-03	6.79E-04	5.69E-05	5.44E-04	1.54E-03	1.55E-03	2.36E-03	2.20E-03	7.74E-04
629180	4278400	2.17E-03	1.84E-03	2.24E-03	1.48E-03	1.24E-04	1.18E-03	3.34E-03	3.38E-03	5.13E-03	4.78E-03	1.68E-03
629200	4278400	2.10E-03	1.78E-03	2.17E-03	1.43E-03	1.20E-04	1.14E-03	3.23E-03	3.27E-03	4.96E-03	4.63E-03	1.63E-03
629220	4278400	2.02E-03	1.72E-03	2.08E-03	1.37E-03	1.15E-04	1.10E-03	3.11E-03	3.15E-03	4.78E-03	4.45E-03	1.57E-03
629240	4278400	1.67E-03	1.42E-03	1.72E-03	1.13E-03	9.51E-05	9.09E-04	2.57E-03	2.60E-03	3.94E-03	3.68E-03	1.29E-03
629260	4278400	1.58E-03	1.34E-03	1.63E-03	1.08E-03	9.02E-05	8.62E-04	2.43E-03	2.46E-03	3.74E-03	3.49E-03	1.23E-03
629280	4278400	1.50E-03	1.27E-03	1.55E-03	1.02E-03	8.54E-05	8.17E-04	2.30E-03	2.33E-03	3.54E-03	3.30E-03	1.16E-03
629300	4278400	1.42E-03	1.20E-03	1.46E-03	9.62E-04	8.06E-05	7.71E-04	2.17E-03	2.20E-03	3.34E-03	3.12E-03	1.10E-03
629380	4278400	1.34E-03	1.14E-03	1.38E-03	9.09E-04	7.62E-05	7.29E-04	2.06E-03	2.08E-03	3.16E-03	2.95E-03	1.04E-03
629400	4278400	1.27E-03	1.08E-03	1.30E-03	8.60E-04	7.21E-05	6.89E-04	1.94E-03	1.97E-03	2.99E-03	2.79E-03	9.80E-04
629420	4278400	1.20E-03	1.02E-03	1.23E-03	8.14E-04	6.82E-05	6.52E-04	1.84E-03	1.86E-03	2.83E-03	2.64E-03	9.28E-04
629440	4278400	1.13E-03	9.64E-04	1.17E-03	7.71E-04	6.46E-05	6.18E-04	1.74E-03	1.76E-03	2.68E-03	2.50E-03	8.78E-04
629460	4278400	1.08E-03	9.14E-04	1.11E-03	7.31E-04	6.13E-05	5.86E-04	1.65E-03	1.67E-03	2.54E-03	2.37E-03	8.33E-04
629180	4278420	2.35E-03	2.00E-03	2.42E-03	1.60E-03	1.34E-04	1.28E-03	3.61E-03	3.66E-03	5.55E-03	5.18E-03	1.82E-03
629200	4278420	2.25E-03	1.92E-03	2.33E-03	1.53E-03	1.28E-04	1.23E-03	3.47E-03	3.51E-03	5.33E-03	4.97E-03	1.75E-03
629220	4278420	2.16E-03	1.84E-03	2.23E-03	1.47E-03	1.23E-04	1.18E-03	3.32E-03	3.36E-03	5.11E-03	4.76E-03	1.67E-03
629240	4278420	2.06E-03	1.75E-03	2.13E-03	1.40E-03	1.18E-04	1.12E-03	3.17E-03	3.21E-03	4.87E-03	4.54E-03	1.60E-03
629260	4278420	1.76E-03	1.49E-03	1.81E-03	1.19E-03	1.00E-04	9.56E-04	2.70E-03	2.73E-03	4.15E-03	3.87E-03	1.36E-03
629280	4278420	1.65E-03	1.41E-03	1.71E-03	1.12E-03	9.43E-05	9.01E-04	2.54E-03	2.57E-03	3.91E-03	3.65E-03	1.28E-03
629300	4278420	1.56E-03	1.33E-03	1.61E-03	1.06E-03	8.89E-05	8.50E-04	2.40E-03	2.43E-03	3.69E-03	3.44E-03	1.21E-03
629360	4278420	1.47E-03	1.25E-03	1.52E-03	9.98E-04	8.37E-05	8.00E-04	2.26E-03	2.29E-03	3.47E-03	3.24E-03	1.14E-03
629380	4278420	1.38E-03	1.18E-03	1.43E-03	9.40E-04	7.88E-05	7.53E-04	2.13E-03	2.15E-03	3.27E-03	3.05E-03	1.07E-03
629400	4278420	1.31E-03	1.11E-03	1.35E-03	8.87E-04	7.44E-05	7.11E-04	2.01E-03	2.03E-03	3.08E-03	2.88E-03	1.01E-03
629420	4278420	1.23E-03	1.05E-03	1.27E-03	8.37E-04	7.02E-05	6.71E-04	1.89E-03	1.92E-03	2.91E-03	2.71E-03	9.54E-04
629440	4278420	1.16E-03	9.88E-04	1.20E-03	7.91E-04	6.63E-05	6.34E-04	1.79E-03	1.81E-03	2.75E-03	2.56E-03	9.01E-04
629460	4278420	1.10E-03	9.37E-04	1.14E-03	7.50E-04	6.29E-05	6.01E-04	1.70E-03	1.72E-03	2.61E-03	2.43E-03	8.55E-04
629180	4278440	2.54E-03	2.16E-03	2.62E-03	1.73E-03	1.45E-04	1.39E-03	3.91E-03	3.96E-03	6.01E-03	5.60E-03	1.97E-03
629200	4278440	2.43E-03	2.07E-03	2.51E-03	1.65E-03	1.38E-04	1.32E-03	3.74E-03	3.78E-03	5.74E-03	5.35E-03	1.88E-03
629220	4278440	2.31E-03	1.97E-03	2.38E-03	1.57E-03	1.32E-04	1.26E-03	3.55E-03	3.60E-03	5.46E-03	5.09E-03	1.79E-03
629240	4278440	2.20E-03	1.87E-03	2.27E-03	1.49E-03	1.25E-04	1.20E-03	3.38E-03	3.42E-03	5.19E-03	4.84E-03	1.70E-03
629260	4278440	2.08E-03	1.76E-03	2.14E-03	1.41E-03	1.18E-04	1.13E-03	3.19E-03	3.23E-03	4.91E-03	4.58E-03	1.61E-03
629280	4278440	1.73E-03	1.47E-03	1.78E-03	1.18E-03	9.86E-05	9.42E-04	2.66E-03	2.69E-03	4.09E-03	3.81E-03	1.34E-03
629300	4278440	1.62E-03	1.38E-03	1.67E-03	1.10E-03	9.25E-05	8.84E-04	2.49E-03	2.53E-03	3.83E-03	3.57E-03	1.26E-03
629360	4278440	1.52E-03	1.29E-03	1.57E-03	1.04E-03	8.68E-05	8.30E-04	2.34E-03	2.37E-03	3.60E-03	3.36E-03	1.18E-03
629380	4278440	1.43E-03	1.22E-03	1.48E-03	9.72E-04	8.15E-05	7.79E-04	2.20E-03	2.23E-03	3.38E-03	3.15E-03	1.11E-03
629400	4278440	1.35E-03	1.14E-03	1.39E-03	9.15E-04	7.67E-05	7.33E-04	2.07E-03	2.09E-03	3.18E-03	2.97E-03	1.04E-03
629420	4278440	1.26E-03	1.07E-03	1.30E-03	8.59E-04	7.21E-05	6.89E-04	1.94E-03	1.97E-03	2.99E-03	2.79E-03	9.80E-04
629440	4278440	1.19E-03	1.01E-03	1.23E-03	8.11E-04	6.80E-05	6.50E-04	1.83E-03	1.86E-03	2.82E-03	2.63E-03	9.24E-04
629160	4278460	2.89E-03	2.46E-03	2.98E-03	1.96E-03	1.65E-04	1.57E-03	4.44E-03	4.50E-03	6.83E-03	6.37E-03	2.24E-03
629180	4278460	2.76E-03	2.34E-03	2.84E-03	1.87E-03	1.57E-04	1.50E-03	4.24E-03	4.29E-03	6.51E-03	6.07E-03	2.14E-03
629200	4278460	2.62E-03	2.23E-03	2.70E-03	1.78E-03	1.49E-04	1.43E-03	4.03E-03	4.08E-03	6.19E-03	5.77E-03	2.03E-03
629220	4278460	2.48E-03	2.11E-03	2.56E-03	1.69E-03	1.41E-04	1.35E-03	3.81E-03	3.86E-03	5.86E-03	5.46E-03	1.92E-03
629240	4278460	2.34E-03	1.99E-03	2.42E-03	1.59E-03	1.33E-04	1.28E-03	3.60E-03	3.64E-03	5.53E-03	5.16E-03	1.81E-03
629260	4278460	2.20E-03	1.87E-03	2.27E-03	1.50E-03	1.26E-04	1.20E-03	3.39E-03	3.43E-03	5.20E-03	4.85E-03	1.71E-03
629340	4278460	1.69E-03	1.43E-03	1.74E-03	1.15E-03	9.62E-05	9.19E-04	2.59E-03	2.63E-03	3.99E-03	3.72E-03	1.31E-03
629360	4278460	1.58E-03	1.34E-03	1.63E-03	1.07E-03	8.99E-05	8.59E-04	2.42E-03	2.45E-03	3.73E-03	3.47E-03	1.22E-03
629380	4278460	1.48E-03	1.25E-03	1.52E-03	1.00E-03	8.41E-05	8.04E-04	2.27E-03	2.30E-03	3.49E-03	3.25E-03	1.14E-03
629400	4278460	1.38E-03	1.18E-03	1.43E-03	9.40E-04	7.88E-05	7.54E-04	2.13E-03	2.15E-03	3.27E-03	3.05E-03	1.07E-03
629420	4278460	1.30E-03	1.10E-03	1.34E-03	8.82E-04	7.39E-05	7.07E-04	1.99E-03	2.02E-03	3.07E-03	2.86E-03	1.01E-03
629180	4278480	2.99E-03	2.54E-03	3.09E-03	2.03E-03	1.71E-04	1.63E-03	4.60E-03	4.66E-03	7.07E-03	6.60E-03	2.32E-03
629200	4278480	2.83E-03	2.40E-03	2.92E-03	1.92E-03	1.61E-04	1.54E-03	4.34E-03	4.40E-03	6.68E-03	6.23E-03	2.19E-03
629220	4278480	2.66E-03	2.26E-03	2.74E-03	1.81E-03	1.52E-04	1.45E-03	4.09E-03	4.14E-03	6.29E-03	5.86E-03	2.06E-03
629240	4278480	2.50E-03	2.12E-03	2.								

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Campus										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
628480	4278740	6.55E-04	5.57E-04	6.76E-04	4.45E-04	3.73E-05	3.57E-04	1.01E-03	1.02E-03	1.55E-03	1.44E-03	5.08E-04
628500	4278740	7.22E-04	6.14E-04	7.45E-04	4.12E-04	4.12E-05	3.93E-04	1.11E-03	1.12E-03	1.71E-03	1.59E-03	5.60E-04
628460	4278760	6.13E-04	5.21E-04	6.33E-04	4.17E-04	3.50E-05	3.34E-04	9.43E-04	9.55E-04	1.45E-03	1.35E-03	4.75E-04
628480	4278760	6.73E-04	5.72E-04	6.94E-04	4.58E-04	3.84E-05	3.67E-04	1.03E-03	1.05E-03	1.59E-03	1.48E-03	5.22E-04
628500	4278760	7.45E-04	6.33E-04	7.68E-04	5.06E-04	4.24E-05	4.06E-04	1.14E-03	1.16E-03	1.76E-03	1.64E-03	5.77E-04
628520	4278760	8.31E-04	7.06E-04	8.57E-04	5.65E-04	4.74E-05	4.53E-04	1.28E-03	1.29E-03	1.96E-03	1.83E-03	6.44E-04
628440	4278780	5.76E-04	4.89E-04	5.94E-04	3.91E-04	3.28E-05	3.14E-04	8.85E-04	8.96E-04	1.36E-03	1.27E-03	4.46E-04
628460	4278780	6.30E-04	5.35E-04	6.49E-04	4.28E-04	3.59E-05	3.43E-04	9.68E-04	9.80E-04	1.49E-03	1.39E-03	4.88E-04
628480	4278780	6.94E-04	5.89E-04	7.15E-04	4.71E-04	3.95E-05	3.78E-04	1.07E-03	1.08E-03	1.64E-03	1.53E-03	5.37E-04
628500	4278780	7.69E-04	6.53E-04	7.93E-04	5.23E-04	4.48E-05	4.19E-04	1.18E-03	1.20E-03	1.82E-03	1.69E-03	5.96E-04
628520	4278780	8.62E-04	7.33E-04	8.89E-04	5.86E-04	4.91E-05	4.70E-04	1.33E-03	1.34E-03	2.04E-03	1.90E-03	6.68E-04
628540	4278780	9.81E-04	8.33E-04	1.01E-03	6.66E-04	5.59E-05	5.34E-04	1.51E-03	1.53E-03	2.32E-03	2.16E-03	7.60E-04
628420	4278800	5.42E-04	4.61E-04	5.59E-04	3.69E-04	3.09E-05	2.95E-04	8.34E-04	8.44E-04	1.28E-03	1.20E-03	4.20E-04
628440	4278800	5.91E-04	5.02E-04	6.09E-04	4.01E-04	3.37E-05	3.22E-04	9.08E-04	9.19E-04	1.40E-03	1.30E-03	4.58E-04
628460	4278800	6.48E-04	5.50E-04	6.68E-04	4.40E-04	3.69E-05	3.53E-04	9.96E-04	1.01E-03	1.53E-03	1.43E-03	5.02E-04
628480	4278800	7.14E-04	6.07E-04	7.37E-04	4.85E-04	4.07E-05	3.89E-04	1.10E-03	1.11E-03	1.69E-03	1.57E-03	5.53E-04
628500	4278800	7.96E-04	6.76E-04	8.21E-04	5.41E-04	4.54E-05	4.34E-04	1.22E-03	1.24E-03	1.88E-03	1.75E-03	6.17E-04
628520	4278800	8.94E-04	7.60E-04	9.22E-04	6.08E-04	5.10E-05	4.87E-04	1.37E-03	1.39E-03	2.11E-03	1.97E-03	6.93E-04
628540	4278800	1.02E-03	8.65E-04	1.05E-03	6.92E-04	5.80E-05	5.55E-04	1.56E-03	1.58E-03	2.40E-03	2.24E-03	7.89E-04
628400	4278820	5.11E-04	4.34E-04	5.27E-04	3.47E-04	2.91E-05	2.78E-04	7.86E-04	7.96E-04	1.21E-03	1.13E-03	3.96E-04
628420	4278820	5.55E-04	4.72E-04	5.72E-04	3.77E-04	3.16E-05	3.02E-04	8.53E-04	8.64E-04	1.31E-03	1.22E-03	4.30E-04
628440	4278820	6.06E-04	5.15E-04	6.25E-04	4.12E-04	3.46E-05	3.30E-04	9.32E-04	9.44E-04	1.43E-03	1.34E-03	4.70E-04
628460	4278820	6.65E-04	5.65E-04	6.85E-04	4.52E-04	3.79E-05	3.62E-04	1.02E-03	1.04E-03	1.57E-03	1.47E-03	5.16E-04
628480	4278820	7.36E-04	6.25E-04	7.59E-04	5.00E-04	4.19E-05	4.01E-04	1.13E-03	1.15E-03	1.74E-03	1.62E-03	5.70E-04
628500	4278820	8.23E-04	7.00E-04	8.49E-04	5.60E-04	4.69E-05	4.48E-04	1.27E-03	1.28E-03	1.95E-03	1.81E-03	6.38E-04
628520	4278820	9.31E-04	7.91E-04	9.60E-04	6.32E-04	5.30E-05	5.07E-04	1.43E-03	1.45E-03	2.20E-03	2.05E-03	7.21E-04
628540	4278820	1.06E-03	9.04E-04	1.10E-03	7.23E-04	6.07E-05	5.80E-04	1.64E-03	1.66E-03	2.51E-03	2.35E-03	8.25E-04
628560	4278820	1.24E-03	1.06E-03	1.28E-03	8.45E-04	7.09E-05	6.78E-04	1.91E-03	1.94E-03	2.94E-03	2.74E-03	9.64E-04
628380	4278840	4.83E-04	4.10E-04	4.98E-04	3.28E-04	2.75E-05	2.63E-04	7.42E-04	7.51E-04	1.14E-03	1.06E-03	3.74E-04
628400	4278840	5.22E-04	4.44E-04	5.38E-04	3.55E-04	2.98E-05	2.84E-04	8.02E-04	8.13E-04	1.23E-03	1.15E-03	4.05E-04
628420	4278840	5.68E-04	4.83E-04	5.86E-04	3.86E-04	3.24E-05	3.09E-04	8.73E-04	8.84E-04	1.34E-03	1.25E-03	4.40E-04
628440	4278840	6.21E-04	5.28E-04	6.41E-04	4.22E-04	3.54E-05	3.38E-04	9.55E-04	9.67E-04	1.47E-03	1.37E-03	4.81E-04
628460	4278840	6.84E-04	5.81E-04	7.05E-04	4.65E-04	3.90E-05	3.72E-04	1.05E-03	1.06E-03	1.62E-03	1.51E-03	5.30E-04
628480	4278840	7.60E-04	6.46E-04	7.84E-04	5.17E-04	4.33E-05	4.14E-04	1.17E-03	1.18E-03	1.80E-03	1.67E-03	5.89E-04
628500	4278840	8.53E-04	7.24E-04	8.79E-04	5.79E-04	4.86E-05	4.64E-04	1.31E-03	1.33E-03	2.01E-03	1.88E-03	6.60E-04
628520	4278840	9.68E-04	8.23E-04	9.98E-04	6.58E-04	5.52E-05	5.27E-04	1.49E-03	1.51E-03	2.29E-03	2.13E-03	7.50E-04
628540	4278840	1.12E-03	9.49E-04	1.15E-03	7.59E-04	6.36E-05	6.08E-04	1.72E-03	1.74E-03	2.64E-03	2.46E-03	8.65E-04
628560	4278840	1.32E-03	1.12E-03	1.36E-03	8.97E-04	7.52E-05	7.19E-04	2.03E-03	2.05E-03	3.12E-03	2.91E-03	1.02E-03
628360	4278860	4.55E-04	3.86E-04	4.69E-04	3.09E-04	2.59E-05	2.48E-04	6.99E-04	7.08E-04	1.07E-03	1.00E-03	3.52E-04
628380	4278860	4.91E-04	4.17E-04	5.06E-04	3.34E-04	2.80E-05	2.67E-04	7.54E-04	7.64E-04	1.16E-03	1.08E-03	3.80E-04
628400	4278860	5.33E-04	4.53E-04	5.50E-04	3.62E-04	3.04E-05	2.90E-04	8.19E-04	8.29E-04	1.26E-03	1.17E-03	4.13E-04
628420	4278860	5.80E-04	4.93E-04	5.99E-04	3.94E-04	3.31E-05	3.16E-04	8.92E-04	9.03E-04	1.37E-03	1.28E-03	4.50E-04
628440	4278860	6.37E-04	5.41E-04	6.57E-04	4.33E-04	3.63E-05	3.47E-04	9.78E-04	9.91E-04	1.50E-03	1.40E-03	4.93E-04
628460	4278860	7.04E-04	5.98E-04	7.25E-04	4.78E-04	4.01E-05	3.83E-04	1.08E-03	1.09E-03	1.66E-03	1.55E-03	5.45E-04
628480	4278860	7.84E-04	6.66E-04	8.08E-04	5.33E-04	4.47E-05	4.27E-04	1.20E-03	1.22E-03	1.85E-03	1.73E-03	6.07E-04
628500	4278860	8.82E-04	7.50E-04	9.10E-04	6.00E-04	5.03E-05	4.81E-04	1.36E-03	1.37E-03	2.08E-03	1.94E-03	6.83E-04
628520	4278860	1.01E-03	8.56E-04	1.04E-03	6.85E-04	5.74E-05	5.49E-04	1.55E-03	1.57E-03	2.38E-03	2.22E-03	7.81E-04
628340	4278880	4.30E-04	3.65E-04	4.43E-04	2.92E-04	2.45E-05	2.34E-04	6.60E-04	6.69E-04	1.02E-03	9.47E-04	3.33E-04
628360	4278880	4.62E-04	3.93E-04	4.77E-04	3.14E-04	2.63E-05	2.52E-04	7.10E-04	7.19E-04	1.09E-03	1.02E-03	3.58E-04
628380	4278880	5.00E-04	4.25E-04	5.16E-04	3.40E-04	2.85E-05	2.72E-04	7.68E-04	7.78E-04	1.18E-03	1.10E-03	3.87E-04
628400	4278880	5.43E-04	4.62E-04	5.60E-04	3.69E-04	3.10E-05	2.96E-04	8.35E-04	8.45E-04	1.28E-03	1.20E-03	4.21E-04
628420	4278880	5.93E-04	5.04E-04	6.12E-04	4.03E-04	3.38E-05	3.23E-04	9.12E-04	9.23E-04	1.40E-03	1.31E-03	4.60E-04
628440	4278880	6.52E-04	5.54E-04	6.73E-04	4.43E-04	3.72E-05	3.55E-04	1.00E-03	1.01E-03	1.54E-03	1.44E-03	5.05E-04
628460	4278880	7.23E-04	6.15E-04	7.46E-04	4.92E-04	4.12E-05	3.94E-04	1.11E-03	1.13E-03	1.71E-03	1.59E-03	5.60E-04
628480	4278880	8.08E-04	6.87E-04	8.34E-04	5.49E-04	4.61E-05	4.40E-04	1.24E-03	1.26E-03	1.91E-03	1.78E-03	6.26E-04
628500	4278880	9.16E-04	7.78E-04	9.44E-04	6.22E-04	5.22E-05	4.99E-04	1.41E-03	1.43E-03	2.16E-03	2.02E-03	7.09E-04
628320	4278900	4.07E-04	3.45E-04	4.19E-04	2.76E-04	2.32E-05	2.21E-04	6.25E-04	6.33E-04	9.60E-04	8.96E-04	3.15E-04
628340	4278900	4.36E-04	3.71E-04	4.50E-04	2.96E-04	2.48E-05	2.38E-04	6.70E-04	6.79E-04	1.03E-03	9.61E-04	3.38E-04
628360	4278900	4.70E-04	4.00E-04	4.85E-04	3.20E-04	2.68E-05	2.56E-04	7.23E-04	7.32E-04	1.11E-03	1.04E-03	3.64E-04
628380	4278900	5.10E-04	4.33E-04	5.25E-04	3.46E-04	2.90E-05	2.78E-04	7.83E-04	7.93E-04	1.20E-03	1.12E-03	3.95E-04
628400	4278900	5.54E-04	4.71E-04	5.72E-04	3.77E-04	3.16E-05	3.02E-04	8.52E-04	8.63E-04	1.31E-03	1.22E-03	4.30E-04
628420	4278900	6.07E-04	5.16E-04	6.26E-04	4.13E-04	3.46E-05	3.31E-04	9.33E-04	9.45E-04	1.43E-03	1.34E-03	4.70E-04
628440	4278900	6.70E-04	5.69E-04	6.90E-04	4.55E-04	3.82E-05	3.65E-04	1.03E-03	1.04E-03	1.58E-03	1.48E-03	5.19E-04
628460	4278900	7.44E-04	6.32E-04	7.67E-04	5.06E-04	4.24E-05	4.05E-04	1.14E-03	1.16E-03	1.76E-03	1.64E-03	5.76E-04
628480	4278900	8.36E-04	7.10E-04	8.62E-04	5.68E-04	4.76E-05	4.55E-04	1.28E-03	1.30E-03	1.97E-03	1.84E-03	6.47E-04
628500	4278900	9.58E-04	8.24E-04	9.94E-04	6.36E-04	5.34E-05	5.13E-04	1.44E-03	1.46E-03	2.24E-03	2.09E-03	7.44E-04
628320	4278920	4.12E-04	3.50E-04	4.25E-04	2.80E-04	2.35E-05	2.25E-04	6.34E-04	6.42E-04	9.74E-04	9.08E-04	3.19E-04
628340	4278920	4.43E-04	3.77E-04	4.57E-04	3.01E-04	2.53E-05	2.42E-04	6.81E-04	6.90E-04	1.05E-03	9.77E-04	3.44E-04
628360	4278920	4.79E-04	4.07E-04	4.94E-04	3.26E-04	2.73E-05	2.61E-04	7.36E-04	7.46E-04	1.13E-03	1.06E-03	3.71E-04
628380	4278920	5.20E-04	4.42E-04	5.36E-04	3.53E-04	2.96E-05	2.83E-04	7.99E-04	8.09E-04	1.23E-03	1.15E-03	4.03E-04
628400	4278920	5.67E-04	4.82E-04	5.8								

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Campus										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
628400	4278980	6.14E-04	5.21E-04	6.33E-04	4.17E-04	3.50E-05	3.34E-04	9.43E-04	9.55E-04	1.45E-03	1.35E-03	4.75E-04
628420	4278980	6.77E-04	5.75E-04	6.98E-04	4.60E-04	3.86E-05	3.69E-04	1.04E-03	1.05E-03	1.60E-03	1.49E-03	5.25E-04
628440	4278980	7.52E-04	6.39E-04	7.75E-04	5.11E-04	4.28E-05	4.09E-04	1.16E-03	1.17E-03	1.78E-03	1.66E-03	5.82E-04
628460	4278980	6.14E-04	5.22E-04	6.33E-04	4.17E-04	3.50E-05	3.34E-04	9.44E-04	9.56E-04	1.45E-03	1.35E-03	4.76E-04
629740	4278980	5.87E-04	4.99E-04	6.06E-04	3.99E-04	3.35E-05	3.20E-04	9.03E-04	9.14E-04	1.39E-03	1.29E-03	4.55E-04
629760	4278980	5.63E-04	4.78E-04	5.80E-04	3.82E-04	3.21E-05	3.06E-04	8.65E-04	8.75E-04	1.33E-03	1.24E-03	4.36E-04
628100	4279000	2.29E-04	1.95E-04	2.36E-04	1.56E-04	1.31E-05	1.25E-04	3.52E-04	3.57E-04	5.42E-04	5.05E-04	1.78E-04
628120	4279000	2.41E-04	2.05E-04	2.48E-04	1.64E-04	1.37E-05	1.31E-04	3.70E-04	3.75E-04	5.69E-04	5.30E-04	1.86E-04
628140	4279000	2.53E-04	2.15E-04	2.61E-04	1.72E-04	1.44E-05	1.38E-04	3.89E-04	3.94E-04	5.98E-04	5.58E-04	1.96E-04
628160	4279000	2.67E-04	2.27E-04	2.75E-04	1.81E-04	1.52E-05	1.45E-04	4.10E-04	4.15E-04	6.31E-04	5.88E-04	2.07E-04
628180	4279000	2.82E-04	2.40E-04	2.91E-04	1.92E-04	1.61E-05	1.54E-04	4.33E-04	4.39E-04	6.66E-04	6.21E-04	2.18E-04
628200	4279000	2.99E-04	2.54E-04	3.08E-04	2.03E-04	1.70E-05	1.63E-04	4.59E-04	4.65E-04	7.05E-04	6.58E-04	2.31E-04
628220	4279000	3.17E-04	2.69E-04	3.27E-04	2.15E-04	1.81E-05	1.73E-04	4.87E-04	4.93E-04	7.49E-04	6.98E-04	2.46E-04
628240	4279000	3.38E-04	2.87E-04	3.48E-04	2.30E-04	1.92E-05	1.84E-04	5.19E-04	5.26E-04	7.98E-04	7.44E-04	2.62E-04
628320	4279000	4.47E-04	3.80E-04	4.61E-04	3.04E-04	2.55E-05	2.44E-04	6.88E-04	6.96E-04	1.06E-03	9.86E-04	3.47E-04
628340	4279000	4.84E-04	4.11E-04	4.99E-04	3.29E-04	2.76E-05	2.64E-04	7.44E-04	7.53E-04	1.14E-03	1.07E-03	3.75E-04
628360	4279000	5.26E-04	4.47E-04	5.43E-04	3.58E-04	3.00E-05	2.87E-04	8.09E-04	8.19E-04	1.24E-03	1.16E-03	4.08E-04
628380	4279000	5.74E-04	4.88E-04	5.92E-04	3.90E-04	3.27E-05	3.13E-04	8.82E-04	8.94E-04	1.36E-03	1.27E-03	4.45E-04
628400	4279000	6.30E-04	5.35E-04	6.49E-04	4.28E-04	3.59E-05	3.43E-04	9.68E-04	9.80E-04	1.49E-03	1.39E-03	4.88E-04
628420	4279000	6.94E-04	5.90E-04	7.16E-04	4.72E-04	3.96E-05	3.78E-04	1.07E-03	1.08E-03	1.64E-03	1.53E-03	5.38E-04
628440	4279000	7.69E-04	6.54E-04	7.93E-04	5.23E-04	4.38E-05	4.19E-04	1.18E-03	1.20E-03	1.82E-03	1.69E-03	5.96E-04
629700	4279000	6.43E-04	5.46E-04	6.63E-04	4.37E-04	3.66E-05	3.50E-04	9.88E-04	1.00E-03	1.52E-03	1.42E-03	4.98E-04
629720	4279000	6.13E-04	5.21E-04	6.32E-04	4.17E-04	3.49E-05	3.34E-04	9.43E-04	9.54E-04	1.45E-03	1.35E-03	4.75E-04
629740	4279000	5.86E-04	4.98E-04	6.05E-04	3.99E-04	3.34E-05	3.19E-04	9.01E-04	9.13E-04	1.39E-03	1.29E-03	4.54E-04
629760	4279000	5.62E-04	4.77E-04	5.79E-04	3.82E-04	3.20E-05	3.06E-04	8.63E-04	8.74E-04	1.33E-03	1.24E-03	4.35E-04
629780	4279000	5.38E-04	4.58E-04	5.55E-04	3.66E-04	3.07E-05	2.93E-04	8.28E-04	8.38E-04	1.27E-03	1.19E-03	4.17E-04
628100	4279020	2.32E-04	1.97E-04	2.39E-04	1.58E-04	1.32E-05	1.26E-04	3.56E-04	3.61E-04	5.48E-04	5.11E-04	1.80E-04
628120	4279020	2.44E-04	2.07E-04	2.51E-04	1.66E-04	1.39E-05	1.33E-04	3.74E-04	3.79E-04	5.75E-04	5.37E-04	1.89E-04
628140	4279020	2.57E-04	2.18E-04	2.65E-04	1.74E-04	1.46E-05	1.40E-04	3.94E-04	3.99E-04	6.06E-04	5.65E-04	1.99E-04
628160	4279020	2.71E-04	2.30E-04	2.79E-04	1.84E-04	1.54E-05	1.47E-04	4.16E-04	4.21E-04	6.40E-04	5.96E-04	2.10E-04
628180	4279020	2.86E-04	2.43E-04	2.95E-04	1.95E-04	1.63E-05	1.56E-04	4.40E-04	4.46E-04	6.76E-04	6.31E-04	2.22E-04
628200	4279020	3.04E-04	2.58E-04	3.13E-04	2.06E-04	1.73E-05	1.65E-04	4.67E-04	4.72E-04	7.17E-04	6.69E-04	2.35E-04
628220	4279020	3.23E-04	2.74E-04	3.33E-04	2.19E-04	1.84E-05	1.76E-04	4.96E-04	5.02E-04	7.62E-04	7.11E-04	2.50E-04
628240	4279020	3.44E-04	2.93E-04	3.55E-04	2.34E-04	1.96E-05	1.88E-04	5.29E-04	5.36E-04	8.13E-04	7.58E-04	2.67E-04
628260	4279020	3.66E-04	3.14E-04	3.79E-04	2.50E-04	2.08E-05	2.00E-04	5.66E-04	5.73E-04	8.64E-04	8.06E-04	2.84E-04
628280	4279020	3.90E-04	3.37E-04	4.07E-04	2.68E-04	2.21E-05	2.13E-04	6.07E-04	6.15E-04	9.15E-04	8.56E-04	3.03E-04
628300	4279020	4.16E-04	3.64E-04	4.40E-04	2.88E-04	2.41E-05	2.32E-04	6.54E-04	6.63E-04	9.74E-04	9.14E-04	3.23E-04
628320	4279020	4.44E-04	3.94E-04	4.74E-04	3.10E-04	2.61E-05	2.51E-04	7.06E-04	7.16E-04	1.03E-03	9.70E-04	3.44E-04
628340	4279020	4.74E-04	4.25E-04	5.09E-04	3.34E-04	2.81E-05	2.70E-04	7.62E-04	7.73E-04	1.10E-03	1.04E-03	3.66E-04
628360	4279020	5.06E-04	4.57E-04	5.46E-04	3.59E-04	3.02E-05	2.90E-04	8.21E-04	8.33E-04	1.18E-03	1.12E-03	3.89E-04
628380	4279020	5.40E-04	4.91E-04	5.85E-04	3.84E-04	3.24E-05	3.09E-04	8.84E-04	8.97E-04	1.26E-03	1.20E-03	4.13E-04
628400	4279020	5.76E-04	5.25E-04	6.24E-04	4.10E-04	3.47E-05	3.28E-04	9.50E-04	9.64E-04	1.35E-03	1.29E-03	4.38E-04
628420	4279020	6.14E-04	5.64E-04	6.67E-04	4.37E-04	3.71E-05	3.51E-04	1.02E-03	1.03E-03	1.45E-03	1.39E-03	4.63E-04
628440	4279020	6.54E-04	6.04E-04	7.13E-04	4.65E-04	3.95E-05	3.74E-04	1.09E-03	1.10E-03	1.55E-03	1.49E-03	4.89E-04
629700	4279020	6.13E-04	5.21E-04	6.33E-04	4.17E-04	3.50E-05	3.34E-04	9.43E-04	9.55E-04	1.45E-03	1.35E-03	4.75E-04
629720	4279020	5.86E-04	4.98E-04	6.05E-04	3.99E-04	3.34E-05	3.19E-04	9.01E-04	9.12E-04	1.38E-03	1.29E-03	4.54E-04
629740	4279020	5.60E-04	4.76E-04	5.78E-04	3.81E-04	3.19E-05	3.05E-04	8.61E-04	8.72E-04	1.32E-03	1.23E-03	4.34E-04
629760	4279020	5.38E-04	4.57E-04	5.54E-04	3.65E-04	3.06E-05	2.93E-04	8.26E-04	8.37E-04	1.27E-03	1.18E-03	4.17E-04
628100	4279040	2.35E-04	2.00E-04	2.42E-04	1.60E-04	1.34E-05	1.28E-04	3.61E-04	3.65E-04	5.55E-04	5.17E-04	1.82E-04
628120	4279040	2.47E-04	2.10E-04	2.55E-04	1.68E-04	1.41E-05	1.35E-04	3.80E-04	3.84E-04	5.84E-04	5.44E-04	1.91E-04
628140	4279040	2.60E-04	2.21E-04	2.69E-04	1.77E-04	1.48E-05	1.42E-04	4.00E-04	4.05E-04	6.15E-04	5.74E-04	2.02E-04
628160	4279040	2.75E-04	2.34E-04	2.84E-04	1.87E-04	1.57E-05	1.50E-04	4.23E-04	4.28E-04	6.50E-04	6.06E-04	2.13E-04
628180	4279040	2.91E-04	2.48E-04	3.01E-04	1.98E-04	1.66E-05	1.59E-04	4.48E-04	4.54E-04	6.88E-04	6.42E-04	2.26E-04
628200	4279040	3.09E-04	2.63E-04	3.19E-04	2.10E-04	1.76E-05	1.68E-04	4.75E-04	4.81E-04	7.31E-04	6.81E-04	2.40E-04
628220	4279040	3.29E-04	2.80E-04	3.39E-04	2.24E-04	1.88E-05	1.79E-04	5.06E-04	5.12E-04	7.77E-04	7.25E-04	2.55E-04
628240	4279040	3.52E-04	2.99E-04	3.63E-04	2.39E-04	2.00E-05	1.92E-04	5.40E-04	5.47E-04	8.31E-04	7.75E-04	2.72E-04
629680	4279040	6.77E-04	5.75E-04	6.98E-04	4.60E-04	3.86E-05	3.69E-04	1.04E-03	1.05E-03	1.60E-03	1.49E-03	5.24E-04
629700	4279040	6.45E-04	5.48E-04	6.65E-04	4.38E-04	3.67E-05	3.51E-04	9.91E-04	1.00E-03	1.52E-03	1.42E-03	4.99E-04
629720	4279040	6.14E-04	5.22E-04	6.33E-04	4.17E-04	3.50E-05	3.34E-04	9.44E-04	9.55E-04	1.45E-03	1.35E-03	4.76E-04
629740	4279040	5.86E-04	4.98E-04	6.04E-04	3.98E-04	3.34E-05	3.19E-04	9.00E-04	9.11E-04	1.38E-03	1.29E-03	4.54E-04
629760	4279040	5.61E-04	4.77E-04	5.78E-04	3.81E-04	3.20E-05	3.05E-04	8.62E-04	8.73E-04	1.32E-03	1.24E-03	4.34E-04
629780	4279040	5.37E-04	4.57E-04	5.54E-04	3.65E-04	3.06E-05	2.93E-04	8.26E-04	8.36E-04	1.27E-03	1.18E-03	4.16E-04
628100	4279060	2.38E-04	2.03E-04	2.46E-04	1.62E-04	1.36E-05	1.30E-04	3.66E-04	3.71E-04	5.63E-04	5.25E-04	1.85E-04
628120	4279060	2.51E-04	2.13E-04	2.59E-04	1.71E-04	1.43E-05	1.37E-04	3.86E-04	3.91E-04	5.93E-04	5.53E-04	1.94E-04
628140	4279060	2.65E-04	2.25E-04	2.73E-04	1.80E-04	1.51E-05	1.44E-04	4.07E-04	4.12E-04	6.26E-04	5.84E-04	2.05E-04
628160	4279060	2.80E-04	2.38E-04	2.89E-04	1.90E-04	1.60E-05	1.53E-04	4.31E-04	4.36E-04	6.62E-04	6.17E-04	2.17E-04
628180	4279060	2.97E-04	2.52E-04	3.06E-04	2.02E-04	1.69E-05	1.62E-04	4.56E-04	4.62E-04	7.02E-04	6.54E-04	2.30E-04
628200	4279060	3.16E-04	2.68E-04	3.25E-04	2.14E-04	1.80E-05	1.72E-04	4.85E-04	4.91E-04	7.45E-04	6.95E-04	2.44E-04
628220	4279060	3.36E-04	2.86E-04	3.47E-04	2.28E-04	1.92E-05	1.83E-04	5.17E-04	5.23E-04	7.94E-04	7.40E-04	2.60E-04
628240	4279060	3.59E-04	3.05E-04	3.71E-04	2.44E-04	2.05E-05	1.96E-04	5.52E-04	5.59E-04	8.49E-04	7.92E-04	2.78E-04
628260	4279060	3.84E-04	3.25E-04	3.9								

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Campus										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
628160	4279120	2.98E-04	2.53E-04	3.07E-04	2.03E-04	1.70E-05	1.62E-04	4.58E-04	4.64E-04	7.04E-04	6.56E-04	2.31E-04
628180	4279120	3.16E-04	2.69E-04	3.26E-04	2.15E-04	1.80E-05	1.72E-04	4.86E-04	4.92E-04	7.47E-04	6.97E-04	2.45E-04
628200	4279120	3.37E-04	2.86E-04	3.47E-04	2.29E-04	1.92E-05	1.83E-04	5.17E-04	5.24E-04	7.95E-04	7.42E-04	2.61E-04
628220	4279120	3.59E-04	3.05E-04	3.70E-04	2.44E-04	2.05E-05	1.96E-04	5.52E-04	5.59E-04	8.48E-04	7.91E-04	2.78E-04
628300	4279120	4.72E-04	4.01E-04	4.87E-04	3.21E-04	2.69E-05	2.57E-04	7.26E-04	7.35E-04	1.12E-03	1.04E-03	3.66E-04
628320	4279120	5.09E-04	4.32E-04	5.25E-04	3.46E-04	2.90E-05	2.77E-04	7.82E-04	7.92E-04	1.20E-03	1.12E-03	3.94E-04
628340	4279120	5.49E-04	4.67E-04	5.66E-04	3.73E-04	3.13E-05	2.99E-04	8.44E-04	8.55E-04	1.30E-03	1.21E-03	4.25E-04
628360	4279120	5.94E-04	5.05E-04	6.12E-04	4.04E-04	3.38E-05	3.24E-04	9.13E-04	9.24E-04	1.40E-03	1.31E-03	4.60E-04
629600	4279120	8.61E-04	7.31E-04	8.87E-04	5.85E-04	4.90E-05	4.69E-04	1.32E-03	1.34E-03	2.03E-03	1.90E-03	6.67E-04
629620	4279120	8.11E-04	6.89E-04	8.36E-04	5.51E-04	4.63E-05	4.42E-04	1.25E-03	1.26E-03	1.92E-03	1.79E-03	6.28E-04
629640	4279120	7.66E-04	6.51E-04	7.90E-04	5.20E-04	4.36E-05	4.17E-04	1.18E-03	1.19E-03	1.81E-03	1.69E-03	5.93E-04
629660	4279120	7.25E-04	6.16E-04	7.48E-04	4.93E-04	4.13E-05	3.95E-04	1.11E-03	1.13E-03	1.71E-03	1.60E-03	5.62E-04
629680	4279120	6.87E-04	5.84E-04	7.09E-04	4.67E-04	3.92E-05	3.74E-04	1.06E-03	1.07E-03	1.62E-03	1.51E-03	5.32E-04
629700	4279120	6.53E-04	5.55E-04	6.73E-04	4.44E-04	3.72E-05	3.56E-04	1.00E-03	1.02E-03	1.54E-03	1.44E-03	5.06E-04
628080	4279140	2.44E-04	2.07E-04	2.51E-04	1.66E-04	1.39E-05	1.33E-04	3.74E-04	3.79E-04	5.75E-04	5.37E-04	1.89E-04
628100	4279140	2.57E-04	2.18E-04	2.65E-04	1.75E-04	1.46E-05	1.40E-04	3.95E-04	4.00E-04	6.07E-04	5.66E-04	1.99E-04
628120	4279140	2.71E-04	2.31E-04	2.80E-04	1.84E-04	1.55E-05	1.48E-04	4.17E-04	4.22E-04	6.41E-04	5.98E-04	2.10E-04
628140	4279140	2.87E-04	2.44E-04	2.96E-04	1.95E-04	1.64E-05	1.56E-04	4.41E-04	4.47E-04	6.78E-04	6.33E-04	2.22E-04
628160	4279140	3.04E-04	2.59E-04	3.14E-04	2.07E-04	1.73E-05	1.66E-04	4.68E-04	4.74E-04	7.19E-04	6.71E-04	2.36E-04
628180	4279140	3.23E-04	2.75E-04	3.33E-04	2.20E-04	1.84E-05	1.76E-04	4.97E-04	5.03E-04	7.64E-04	7.12E-04	2.50E-04
628200	4279140	3.44E-04	2.92E-04	3.55E-04	2.34E-04	1.96E-05	1.87E-04	5.29E-04	5.35E-04	8.12E-04	7.58E-04	2.66E-04
628220	4279140	3.67E-04	3.12E-04	3.78E-04	2.49E-04	2.09E-05	2.00E-04	5.63E-04	5.70E-04	8.66E-04	8.08E-04	2.84E-04
628240	4279140	4.00E-04	4.08E-04	4.96E-04	3.27E-04	2.74E-05	2.62E-04	7.38E-04	7.48E-04	1.14E-03	1.06E-03	3.72E-04
628320	4279140	5.17E-04	4.39E-04	5.33E-04	3.51E-04	2.94E-05	2.81E-04	7.94E-04	8.04E-04	1.22E-03	1.14E-03	4.00E-04
628340	4279140	5.56E-04	4.73E-04	5.74E-04	3.78E-04	3.17E-05	3.03E-04	8.55E-04	8.66E-04	1.31E-03	1.23E-03	4.31E-04
628360	4279140	6.01E-04	5.10E-04	6.19E-04	4.08E-04	3.42E-05	3.27E-04	9.23E-04	9.35E-04	1.42E-03	1.32E-03	4.65E-04
629580	4279140	9.17E-04	7.79E-04	9.46E-04	6.23E-04	5.23E-05	5.00E-04	1.41E-03	1.43E-03	2.17E-03	2.02E-03	7.11E-04
629600	4279140	8.62E-04	7.33E-04	8.89E-04	5.86E-04	4.91E-05	4.70E-04	1.33E-03	1.34E-03	2.04E-03	1.90E-03	6.68E-04
629620	4279140	8.14E-04	6.91E-04	8.39E-04	5.53E-04	4.64E-05	4.43E-04	1.25E-03	1.27E-03	1.92E-03	1.79E-03	6.30E-04
629640	4279140	7.69E-04	6.53E-04	7.93E-04	5.23E-04	4.38E-05	4.19E-04	1.18E-03	1.20E-03	1.82E-03	1.69E-03	5.96E-04
629660	4279140	7.28E-04	6.19E-04	7.51E-04	4.95E-04	4.15E-05	3.96E-04	1.12E-03	1.13E-03	1.72E-03	1.60E-03	5.64E-04
629680	4279140	6.90E-04	5.86E-04	7.11E-04	4.69E-04	3.93E-05	3.76E-04	1.06E-03	1.07E-03	1.63E-03	1.52E-03	5.34E-04
629700	4279140	6.55E-04	5.57E-04	6.76E-04	4.45E-04	3.73E-05	3.57E-04	1.01E-03	1.02E-03	1.55E-03	1.44E-03	5.08E-04
628060	4279160	2.36E-04	2.00E-04	2.43E-04	1.60E-04	1.34E-05	1.28E-04	3.62E-04	3.67E-04	5.57E-04	5.20E-04	1.83E-04
628080	4279160	2.48E-04	2.11E-04	2.56E-04	1.69E-04	1.42E-05	1.35E-04	3.82E-04	3.87E-04	5.87E-04	5.47E-04	1.93E-04
628100	4279160	2.62E-04	2.23E-04	2.70E-04	1.78E-04	1.49E-05	1.43E-04	4.03E-04	4.08E-04	6.19E-04	5.78E-04	2.03E-04
628120	4279160	2.77E-04	2.35E-04	2.86E-04	1.88E-04	1.58E-05	1.51E-04	4.26E-04	4.31E-04	6.54E-04	6.10E-04	2.15E-04
628140	4279160	2.93E-04	2.49E-04	3.02E-04	1.99E-04	1.67E-05	1.60E-04	4.51E-04	4.56E-04	6.93E-04	6.46E-04	2.27E-04
628160	4279160	3.11E-04	2.64E-04	3.21E-04	2.11E-04	1.77E-05	1.69E-04	4.78E-04	4.84E-04	7.34E-04	6.85E-04	2.41E-04
628180	4279160	3.30E-04	2.80E-04	3.40E-04	2.24E-04	1.88E-05	1.80E-04	5.07E-04	5.14E-04	7.80E-04	7.27E-04	2.56E-04
628200	4279160	3.51E-04	2.98E-04	3.62E-04	2.38E-04	2.00E-05	1.91E-04	5.39E-04	5.46E-04	8.29E-04	7.73E-04	2.72E-04
628220	4279160	3.74E-04	3.18E-04	3.85E-04	2.54E-04	2.13E-05	2.04E-04	5.74E-04	5.82E-04	8.83E-04	8.23E-04	2.90E-04
629580	4279160	9.18E-04	7.80E-04	9.47E-04	6.24E-04	5.23E-05	5.00E-04	1.41E-03	1.43E-03	2.17E-03	2.02E-03	7.11E-04
629600	4279160	8.65E-04	7.35E-04	8.92E-04	5.88E-04	4.93E-05	4.71E-04	1.33E-03	1.35E-03	2.04E-03	1.91E-03	6.70E-04
629620	4279160	8.16E-04	6.93E-04	8.41E-04	5.54E-04	4.65E-05	4.44E-04	1.25E-03	1.27E-03	1.93E-03	1.80E-03	6.32E-04
629640	4279160	7.71E-04	6.55E-04	7.95E-04	5.24E-04	4.39E-05	4.20E-04	1.18E-03	1.20E-03	1.82E-03	1.70E-03	5.97E-04
629660	4279160	7.30E-04	6.20E-04	7.53E-04	4.96E-04	4.16E-05	3.98E-04	1.12E-03	1.14E-03	1.72E-03	1.61E-03	5.66E-04
629680	4279160	6.93E-04	5.89E-04	7.14E-04	4.71E-04	3.95E-05	3.77E-04	1.06E-03	1.08E-03	1.64E-03	1.53E-03	5.37E-04
628060	4279180	2.41E-04	2.04E-04	2.48E-04	1.64E-04	1.37E-05	1.31E-04	3.70E-04	3.74E-04	5.68E-04	5.30E-04	1.86E-04
628080	4279180	2.54E-04	2.15E-04	2.61E-04	1.72E-04	1.44E-05	1.38E-04	3.90E-04	3.95E-04	5.99E-04	5.59E-04	1.96E-04
628100	4279180	2.68E-04	2.27E-04	2.76E-04	1.82E-04	1.52E-05	1.46E-04	4.11E-04	4.16E-04	6.32E-04	5.90E-04	2.07E-04
628120	4279180	2.83E-04	2.40E-04	2.92E-04	1.92E-04	1.61E-05	1.54E-04	4.35E-04	4.40E-04	6.68E-04	6.23E-04	2.19E-04
628140	4279180	2.99E-04	2.54E-04	3.09E-04	2.03E-04	1.70E-05	1.63E-04	4.60E-04	4.66E-04	7.07E-04	6.59E-04	2.32E-04
628160	4279180	3.17E-04	2.69E-04	3.27E-04	2.15E-04	1.81E-05	1.73E-04	4.87E-04	4.93E-04	7.49E-04	6.99E-04	2.46E-04
628180	4279180	3.36E-04	2.86E-04	3.47E-04	2.29E-04	1.92E-05	1.83E-04	5.17E-04	5.24E-04	7.95E-04	7.41E-04	2.61E-04
628200	4279180	3.57E-04	3.04E-04	3.69E-04	2.43E-04	2.04E-05	1.95E-04	5.49E-04	5.56E-04	8.44E-04	7.88E-04	2.77E-04
628220	4279180	3.80E-04	3.23E-04	3.92E-04	2.58E-04	2.17E-05	2.07E-04	5.84E-04	5.92E-04	8.98E-04	8.38E-04	2.95E-04
628060	4279200	2.45E-04	2.09E-04	2.53E-04	1.67E-04	1.40E-05	1.34E-04	3.77E-04	3.82E-04	5.80E-04	5.41E-04	1.90E-04
628080	4279200	2.59E-04	2.20E-04	2.67E-04	1.76E-04	1.47E-05	1.41E-04	3.98E-04	4.03E-04	6.11E-04	5.70E-04	2.00E-04
628100	4279200	2.73E-04	2.32E-04	2.81E-04	1.85E-04	1.56E-05	1.49E-04	4.19E-04	4.25E-04	6.45E-04	6.01E-04	2.11E-04
628120	4279200	2.88E-04	2.45E-04	2.97E-04	1.96E-04	1.64E-05	1.57E-04	4.43E-04	4.49E-04	6.81E-04	6.35E-04	2.23E-04
628140	4279200	3.05E-04	2.59E-04	3.15E-04	2.07E-04	1.74E-05	1.66E-04	4.69E-04	4.75E-04	7.20E-04	6.72E-04	2.36E-04
628160	4279200	3.23E-04	2.74E-04	3.33E-04	2.20E-04	1.84E-05	1.75E-04	4.96E-04	5.03E-04	7.63E-04	7.12E-04	2.50E-04
628180	4279200	3.42E-04	2.91E-04	3.53E-04	2.33E-04	1.95E-05	1.87E-04	5.26E-04	5.33E-04	8.09E-04	7.54E-04	2.65E-04
628200	4279200	3.63E-04	3.09E-04	3.75E-04	2.47E-04	2.07E-05	1.98E-04	5.59E-04	5.66E-04	8.59E-04	8.01E-04	2.82E-04
628220	4279200	3.86E-04	3.28E-04	3.98E-04	2.62E-04	2.20E-05	2.10E-04	5.94E-04	6.01E-04	9.12E-04	8.51E-04	2.99E-04
628040	4279220	2.38E-04	2.02E-04	2.45E-04	1.62E-04	1.36E-05	1.30E-04	3.66E-04	3.70E-04	5.62E-04	5.24E-04	1.84E-04
628060	4279220	2.50E-04	2.13E-04	2.58E-04	1.70E-04	1.43E-05	1.36E-04	3.85E-04	3.90E-04	5.91E-04	5.51E-04	1.94E-04
628080	4279220	2.64E-04	2.24E-04	2.72E-04	1.79E-04	1.50E-05	1.44E-04	4.05E-04	4.10E-04	6.23E-04	5.81E-04	2.04E-04
628100	4279220	2.78E-04	2.36E-04	2.87E-04	1.89E-04	1.59E-05	1.52E-04	4.28E-04	4.33E-04	6.57E-04	6.13E-04	2.15E-04
628120	4279220	2.94E-04	2.50E-04	3.								

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Campus											HI			
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	DPM	Max Year	HI	Receptor Determination
628160	4279280	3.42E-04	2.90E-04	3.52E-04	2.32E-04	1.95E-05	1.86E-04	5.25E-04	5.32E-04	8.07E-04	7.53E-04	2.65E-04	8.07E-04	2030	1.61E-04	Residential
628180	4279280	3.61E-04	3.06E-04	3.72E-04	2.45E-04	2.05E-05	1.96E-04	5.54E-04	5.61E-04	8.52E-04	7.94E-04	2.79E-04	8.52E-04	2030	1.70E-04	Residential
628200	4279280	3.81E-04	3.23E-04	3.93E-04	2.59E-04	2.17E-05	2.07E-04	5.85E-04	5.92E-04	8.99E-04	8.39E-04	2.95E-04	8.99E-04	2030	1.80E-04	Residential
628220	4279280	4.02E-04	3.42E-04	4.15E-04	2.73E-04	2.29E-05	2.19E-04	6.18E-04	6.26E-04	9.51E-04	8.87E-04	3.12E-04	9.51E-04	2030	1.90E-04	Residential
629520	4279280	1.10E-03	9.33E-04	1.13E-03	7.46E-04	6.26E-05	5.98E-04	1.69E-03	1.71E-03	2.59E-03	2.42E-03	8.51E-04	2.59E-03	2030	5.19E-04	Residential
629540	4279280	1.04E-03	8.80E-04	1.07E-03	7.04E-04	5.90E-05	5.64E-04	1.59E-03	1.61E-03	2.45E-03	2.28E-03	8.02E-04	2.45E-03	2030	4.89E-04	Residential
629560	4279280	9.77E-04	8.30E-04	1.01E-03	6.64E-04	5.57E-05	5.32E-04	1.50E-03	1.52E-03	2.31E-03	2.15E-03	7.57E-04	2.31E-03	2030	4.62E-04	Residential
629580	4279280	9.23E-04	7.84E-04	9.52E-04	6.27E-04	5.26E-05	5.03E-04	1.42E-03	1.44E-03	2.18E-03	2.03E-03	7.15E-04	2.18E-03	2030	4.36E-04	Residential
629600	4279280	8.72E-04	7.41E-04	8.99E-04	5.93E-04	4.97E-05	4.75E-04	1.34E-03	1.36E-03	2.06E-03	1.92E-03	6.76E-04	2.06E-03	2030	4.12E-04	Residential
629620	4279280	8.25E-04	7.01E-04	8.51E-04	5.61E-04	4.70E-05	4.49E-04	1.27E-03	1.28E-03	1.95E-03	1.82E-03	6.39E-04	1.95E-03	2030	3.90E-04	Residential
629640	4279280	7.82E-04	6.64E-04	8.06E-04	5.31E-04	4.45E-05	4.26E-04	1.20E-03	1.22E-03	1.85E-03	1.72E-03	6.05E-04	1.85E-03	2030	3.69E-04	Residential
629660	4279300	1.09E-03	9.29E-04	1.13E-03	7.43E-04	6.23E-05	5.96E-04	1.68E-03	1.70E-03	2.58E-03	2.41E-03	8.47E-04	2.58E-03	2030	5.17E-04	Residential
629680	4279300	1.03E-03	8.77E-04	1.06E-03	7.02E-04	5.88E-05	5.62E-04	1.59E-03	1.61E-03	2.44E-03	2.27E-03	8.00E-04	2.44E-03	2030	4.88E-04	Residential
629690	4279300	9.75E-04	8.29E-04	1.01E-03	6.63E-04	5.56E-05	5.31E-04	1.50E-03	1.52E-03	2.30E-03	2.15E-03	7.56E-04	2.30E-03	2030	4.61E-04	Residential
629580	4279300	9.22E-04	7.83E-04	9.51E-04	6.27E-04	5.25E-05	5.02E-04	1.42E-03	1.43E-03	2.18E-03	2.03E-03	7.14E-04	2.18E-03	2030	4.36E-04	Residential
629600	4279300	8.72E-04	7.41E-04	8.99E-04	5.93E-04	4.97E-05	4.75E-04	1.34E-03	1.36E-03	2.06E-03	1.92E-03	6.76E-04	2.06E-03	2030	4.12E-04	Residential
629620	4279300	8.26E-04	7.02E-04	8.51E-04	5.61E-04	4.70E-05	4.50E-04	1.27E-03	1.28E-03	1.95E-03	1.82E-03	6.40E-04	1.95E-03	2030	3.90E-04	Residential
629640	4279300	7.82E-04	6.65E-04	8.07E-04	5.32E-04	4.46E-05	4.26E-04	1.20E-03	1.22E-03	1.85E-03	1.72E-03	6.06E-04	1.85E-03	2030	3.70E-04	Residential
629660	4279300	7.42E-04	6.31E-04	7.66E-04	5.05E-04	4.23E-05	4.04E-04	1.14E-03	1.16E-03	1.75E-03	1.64E-03	5.75E-04	1.75E-03	2030	3.51E-04	Residential
629520	4279320	1.09E-03	9.25E-04	1.12E-03	7.40E-04	6.20E-05	5.93E-04	1.67E-03	1.69E-03	2.57E-03	2.40E-03	8.43E-04	2.57E-03	2030	5.14E-04	Residential
629540	4279320	1.03E-03	8.74E-04	1.06E-03	6.99E-04	5.86E-05	5.60E-04	1.58E-03	1.60E-03	2.43E-03	2.27E-03	7.97E-04	2.43E-03	2030	4.86E-04	Residential
629560	4279320	9.73E-04	8.27E-04	1.00E-03	6.61E-04	5.54E-05	5.30E-04	1.50E-03	1.51E-03	2.30E-03	2.14E-03	7.54E-04	2.30E-03	2030	4.60E-04	Residential
629580	4279320	9.20E-04	7.82E-04	9.49E-04	6.25E-04	5.24E-05	5.01E-04	1.41E-03	1.43E-03	2.17E-03	2.03E-03	7.13E-04	2.17E-03	2030	4.35E-04	Residential
629600	4279320	8.72E-04	7.41E-04	8.99E-04	5.92E-04	4.97E-05	4.75E-04	1.34E-03	1.36E-03	2.06E-03	1.92E-03	6.75E-04	2.06E-03	2030	4.12E-04	Residential
629620	4279320	8.26E-04	7.02E-04	8.52E-04	5.61E-04	4.71E-05	4.50E-04	1.27E-03	1.29E-03	1.95E-03	1.82E-03	6.40E-04	1.95E-03	2030	3.90E-04	Residential
629640	4279320	7.83E-04	6.65E-04	8.08E-04	5.32E-04	4.46E-05	4.27E-04	1.20E-03	1.22E-03	1.85E-03	1.73E-03	6.07E-04	1.85E-03	2030	3.70E-04	Residential
629660	4279320	7.43E-04	6.32E-04	7.67E-04	5.05E-04	4.24E-05	4.05E-04	1.14E-03	1.16E-03	1.76E-03	1.64E-03	5.76E-04	1.76E-03	2030	3.51E-04	Residential
629680	4279320	7.06E-04	6.00E-04	7.28E-04	4.80E-04	4.02E-05	3.85E-04	1.09E-03	1.10E-03	1.67E-03	1.56E-03	5.47E-04	1.67E-03	2030	3.34E-04	Residential
629700	4279320	6.72E-04	5.71E-04	6.93E-04	4.57E-04	3.83E-05	3.66E-04	1.03E-03	1.05E-03	1.59E-03	1.48E-03	5.20E-04	1.59E-03	2030	3.17E-04	Residential
629520	4279340	1.08E-03	9.19E-04	1.12E-03	7.35E-04	6.17E-05	5.89E-04	1.66E-03	1.68E-03	2.56E-03	2.38E-03	8.38E-04	2.56E-03	2030	5.11E-04	Residential
629540	4279340	1.02E-03	8.71E-04	1.06E-03	6.96E-04	5.84E-05	5.58E-04	1.57E-03	1.59E-03	2.42E-03	2.26E-03	7.94E-04	2.42E-03	2030	4.84E-04	Residential
629560	4279340	9.70E-04	8.24E-04	1.00E-03	6.59E-04	5.53E-05	5.28E-04	1.49E-03	1.51E-03	2.29E-03	2.14E-03	7.51E-04	2.29E-03	2030	4.58E-04	Residential
629580	4279340	9.19E-04	7.81E-04	9.48E-04	6.25E-04	5.24E-05	5.01E-04	1.41E-03	1.43E-03	2.17E-03	2.02E-03	7.12E-04	2.17E-03	2030	4.34E-04	Residential
629600	4279340	8.71E-04	7.40E-04	8.98E-04	5.92E-04	4.96E-05	4.74E-04	1.34E-03	1.36E-03	2.06E-03	1.92E-03	6.75E-04	2.06E-03	2030	4.11E-04	Residential
629620	4279340	8.26E-04	7.02E-04	8.52E-04	5.61E-04	4.71E-05	4.50E-04	1.27E-03	1.29E-03	1.95E-03	1.82E-03	6.40E-04	1.95E-03	2030	3.90E-04	Residential
629640	4279340	7.84E-04	6.66E-04	8.08E-04	5.33E-04	4.47E-05	4.27E-04	1.20E-03	1.22E-03	1.85E-03	1.73E-03	6.07E-04	1.85E-03	2030	3.70E-04	Residential
629660	4279340	7.44E-04	6.32E-04	7.68E-04	5.06E-04	4.24E-05	4.05E-04	1.14E-03	1.16E-03	1.76E-03	1.64E-03	5.77E-04	1.76E-03	2030	3.52E-04	Residential
629680	4279340	7.07E-04	6.01E-04	7.29E-04	4.81E-04	4.03E-05	3.85E-04	1.09E-03	1.10E-03	1.67E-03	1.56E-03	5.48E-04	1.67E-03	2030	3.34E-04	Residential
629700	4279340	6.73E-04	5.72E-04	6.94E-04	4.57E-04	3.83E-05	3.67E-04	1.03E-03	1.05E-03	1.59E-03	1.48E-03	5.21E-04	1.59E-03	2030	3.18E-04	Residential
629720	4279340	6.41E-04	5.45E-04	6.61E-04	4.36E-04	3.65E-05	3.49E-04	9.85E-04	9.98E-04	1.51E-03	1.41E-03	4.97E-04	1.51E-03	2030	3.03E-04	Residential
629740	4279340	6.11E-04	5.19E-04	6.30E-04	4.15E-04	3.48E-05	3.33E-04	9.39E-04	9.51E-04	1.44E-03	1.35E-03	4.74E-04	1.44E-03	2030	2.89E-04	Residential
629760	4279340	5.83E-04	4.96E-04	6.02E-04	3.97E-04	3.32E-05	3.18E-04	8.97E-04	9.08E-04	1.38E-03	1.29E-03	4.52E-04	1.38E-03	2030	2.76E-04	Residential
629520	4279360	1.07E-03	9.13E-04	1.11E-03	7.31E-04	6.13E-05	5.85E-04	1.65E-03	1.67E-03	2.54E-03	2.37E-03	8.33E-04	2.54E-03	2030	5.08E-04	Residential
629540	4279360	1.02E-03	8.66E-04	1.05E-03	6.93E-04	5.81E-05	5.55E-04	1.57E-03	1.59E-03	2.41E-03	2.25E-03	7.90E-04	2.41E-03	2030	4.82E-04	Residential
629560	4279360	9.67E-04	8.21E-04	9.97E-04	6.57E-04	5.51E-05	5.27E-04	1.49E-03	1.50E-03	2.28E-03	2.13E-03	7.49E-04	2.28E-03	2030	4.57E-04	Residential
629580	4279360	9.17E-04	7.79E-04	9.45E-04	6.23E-04	5.22E-05	4.99E-04	1.41E-03	1.43E-03	2.17E-03	2.02E-03	7.10E-04	2.17E-03	2030	4.33E-04	Residential
629600	4279360	8.70E-04	7.39E-04	8.97E-04	5.91E-04	4.96E-05	4.74E-04	1.34E-03	1.35E-03	2.05E-03	1.92E-03	6.74E-04	2.05E-03	2030	4.11E-04	Residential
629620	4279360	8.25E-04	7.01E-04	8.51E-04	5.61E-04	4.70E-05	4.49E-04	1.27E-03	1.28E-03	1.95E-03	1.82E-03	6.39E-04	1.95E-03	2030	3.90E-04	Residential
629640	4279360	7.84E-04	6.66E-04	8.08E-04	5.33E-04	4.47E-05	4.27E-04	1.20E-03	1.22E-03	1.85E-03	1.73E-03	6.07E-04	1.85E-03	2030	3.70E-04	Residential
629660	4279360	7.45E-04	6.33E-04	7.68E-04	5.06E-04	4.24E-05	4.06E-04	1.14E-03	1.16E-03	1.76E-03	1.64E-03	5.77E-04	1.76E-03	2030	3.52E-04	Residential
629680	4279360	7.08E-04	6.02E-04	7.31E-04	4.81E-04	4.04E-05	3.86E-04	1.09E-03	1.10E-03	1.67E-03	1.56E-03	5.49E-04	1.67E-03	2030	3.35E-04	Residential
629700	4279360	6.74E-04	5.73E-04	6.95E-04	4.58E-04	3.84E-05	3.67E-04	1.04E-03	1.05E-03	1.59E-03	1.49E-03	5.22E-04	1.59E-03	2030	3.19E-04	Residential
629720	4279360	6.42E-04	5.46E-04	6.62E-04	4.37E-04	3.66E-05	3.50E-04	9.87E-04	1.00E-03	1.52E-03	1.42E-03	4.98E-04	1.52E-03	2030	3.04E-04	Residential
629740	4279360	6.13E-04	5.21E-04	6.32E-04	4.16E-04	3.49E-05	3.34E-04	9.41E-04	9.53E-04	1.45E-03	1.35E-03	4.75E-04	1.45E-03	2030	2.89E-04	Residential
629760	4279360	5.85E-04	4.97E-04	6.03E-04	3.97E-04	3.33E-05	3.19E-04	8.99E-04	9.10E-04	1.38E-03	1.29E-03	4.53E-04	1.38E-03	2030	2.76E-04	Residential
629520	4279380	1.07E-03	9.07E-04	1.10E-03	7.25E-04	6.08E-05	5.81E-04	1.64E-03	1.66E-03	2.52E-03	2.35E-03	8.27E-04	2.52E-03	2030	5.04E-04	Residential
629540	4279380	1.01E-03	8.61E-04	1.0												

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Campus										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
629160	4279700	1.16E-03	9.87E-04	1.20E-03	7.89E-04	6.62E-05	6.33E-04	1.78E-03	1.81E-03	2.74E-03	2.56E-03	9.00E-04
629180	4279700	1.16E-03	9.87E-04	1.20E-03	7.90E-04	6.62E-05	6.33E-04	1.79E-03	1.81E-03	2.74E-03	2.56E-03	9.00E-04
629200	4279700	1.16E-03	9.85E-04	1.20E-03	7.88E-04	6.61E-05	6.32E-04	1.78E-03	1.80E-03	2.74E-03	2.55E-03	8.98E-04
629220	4279700	1.15E-03	9.81E-04	1.19E-03	7.85E-04	6.58E-05	6.29E-04	1.77E-03	1.80E-03	2.73E-03	2.54E-03	8.94E-04
629240	4279700	1.15E-03	9.75E-04	1.18E-03	7.80E-04	6.54E-05	6.25E-04	1.76E-03	1.79E-03	2.71E-03	2.53E-03	8.89E-04
629260	4279700	1.14E-03	9.67E-04	1.17E-03	7.73E-04	6.48E-05	6.20E-04	1.75E-03	1.77E-03	2.69E-03	2.51E-03	8.81E-04
629280	4279700	1.13E-03	9.57E-04	1.16E-03	7.65E-04	6.41E-05	6.13E-04	1.73E-03	1.75E-03	2.66E-03	2.48E-03	8.72E-04
629300	4279700	1.11E-03	9.45E-04	1.15E-03	7.55E-04	6.33E-05	6.05E-04	1.71E-03	1.73E-03	2.63E-03	2.45E-03	8.61E-04
629320	4279700	1.10E-03	9.31E-04	1.13E-03	7.44E-04	6.24E-05	5.97E-04	1.68E-03	1.70E-03	2.59E-03	2.41E-03	8.49E-04
629340	4279700	1.08E-03	9.15E-04	1.11E-03	7.32E-04	6.14E-05	5.87E-04	1.66E-03	1.68E-03	2.54E-03	2.37E-03	8.35E-04
629360	4279700	1.06E-03	8.99E-04	1.09E-03	7.19E-04	6.03E-05	5.75E-04	1.63E-03	1.65E-03	2.50E-03	2.33E-03	8.19E-04
629380	4279700	1.04E-03	8.81E-04	1.07E-03	7.05E-04	5.91E-05	5.65E-04	1.59E-03	1.61E-03	2.45E-03	2.28E-03	8.03E-04
629400	4279700	1.02E-03	8.63E-04	1.05E-03	6.90E-04	5.78E-05	5.53E-04	1.56E-03	1.58E-03	2.40E-03	2.24E-03	7.86E-04
629420	4279700	9.91E-04	8.42E-04	1.02E-03	6.74E-04	5.65E-05	5.40E-04	1.52E-03	1.54E-03	2.34E-03	2.18E-03	7.68E-04
629440	4279720	1.12E-03	9.50E-04	1.15E-03	7.60E-04	6.37E-05	6.09E-04	1.72E-03	1.74E-03	2.64E-03	2.46E-03	8.66E-04
629160	4279720	1.12E-03	9.53E-04	1.16E-03	7.62E-04	6.39E-05	6.11E-04	1.72E-03	1.74E-03	2.65E-03	2.47E-03	8.69E-04
629180	4279720	1.12E-03	9.54E-04	1.16E-03	7.63E-04	6.40E-05	6.11E-04	1.72E-03	1.75E-03	2.65E-03	2.47E-03	8.70E-04
629200	4279720	1.12E-03	9.53E-04	1.16E-03	7.62E-04	6.39E-05	6.11E-04	1.72E-03	1.74E-03	2.65E-03	2.47E-03	8.68E-04
629220	4279720	1.12E-03	9.49E-04	1.15E-03	7.59E-04	6.37E-05	6.08E-04	1.72E-03	1.74E-03	2.64E-03	2.46E-03	8.65E-04
629240	4279720	1.11E-03	9.44E-04	1.15E-03	7.55E-04	6.33E-05	6.05E-04	1.71E-03	1.73E-03	2.62E-03	2.45E-03	8.61E-04
629260	4279720	1.10E-03	9.37E-04	1.14E-03	7.49E-04	6.28E-05	6.01E-04	1.69E-03	1.72E-03	2.60E-03	2.43E-03	8.54E-04
629280	4279720	1.09E-03	9.28E-04	1.13E-03	7.42E-04	6.22E-05	5.95E-04	1.68E-03	1.70E-03	2.58E-03	2.41E-03	8.46E-04
629300	4279720	1.08E-03	9.18E-04	1.11E-03	7.34E-04	6.15E-05	5.88E-04	1.66E-03	1.68E-03	2.55E-03	2.38E-03	8.37E-04
629320	4279720	1.07E-03	9.05E-04	1.10E-03	7.24E-04	6.07E-05	5.80E-04	1.64E-03	1.66E-03	2.52E-03	2.35E-03	8.25E-04
629340	4279720	1.05E-03	8.91E-04	1.08E-03	7.13E-04	5.98E-05	5.71E-04	1.61E-03	1.63E-03	2.48E-03	2.31E-03	8.13E-04
629360	4279720	1.03E-03	8.76E-04	1.06E-03	7.01E-04	5.87E-05	5.61E-04	1.58E-03	1.60E-03	2.44E-03	2.27E-03	7.99E-04
629380	4279720	1.01E-03	8.59E-04	1.04E-03	6.87E-04	5.76E-05	5.51E-04	1.55E-03	1.57E-03	2.39E-03	2.23E-03	7.84E-04
629400	4279720	9.91E-04	8.42E-04	1.02E-03	6.74E-04	5.65E-05	5.40E-04	1.52E-03	1.54E-03	2.34E-03	2.18E-03	7.68E-04
629420	4279720	9.70E-04	8.24E-04	1.00E-03	6.59E-04	5.53E-05	5.28E-04	1.49E-03	1.51E-03	2.29E-03	2.14E-03	7.51E-04
629140	4279740	1.08E-03	9.17E-04	1.11E-03	7.33E-04	6.15E-05	5.88E-04	1.66E-03	1.68E-03	2.55E-03	2.38E-03	8.36E-04
629160	4279740	1.08E-03	9.20E-04	1.12E-03	7.36E-04	6.17E-05	5.90E-04	1.66E-03	1.69E-03	2.56E-03	2.39E-03	8.39E-04
629180	4279740	1.08E-03	9.22E-04	1.12E-03	7.37E-04	6.18E-05	5.91E-04	1.67E-03	1.69E-03	2.56E-03	2.39E-03	8.40E-04
629200	4279740	1.08E-03	9.21E-04	1.12E-03	7.37E-04	6.18E-05	5.91E-04	1.67E-03	1.69E-03	2.56E-03	2.39E-03	8.40E-04
629220	4279740	1.08E-03	9.19E-04	1.12E-03	7.35E-04	6.16E-05	5.89E-04	1.66E-03	1.68E-03	2.56E-03	2.38E-03	8.38E-04
629240	4279740	1.08E-03	9.15E-04	1.11E-03	7.32E-04	6.13E-05	5.86E-04	1.65E-03	1.68E-03	2.54E-03	2.37E-03	8.34E-04
629260	4279740	1.07E-03	9.09E-04	1.10E-03	7.27E-04	6.09E-05	5.83E-04	1.64E-03	1.66E-03	2.53E-03	2.36E-03	8.29E-04
629280	4279740	1.06E-03	9.01E-04	1.09E-03	7.21E-04	6.04E-05	5.78E-04	1.63E-03	1.65E-03	2.50E-03	2.34E-03	8.21E-04
629300	4279740	1.05E-03	8.92E-04	1.08E-03	7.13E-04	5.98E-05	5.72E-04	1.61E-03	1.63E-03	2.48E-03	2.31E-03	8.13E-04
629320	4279740	1.04E-03	8.80E-04	1.07E-03	7.04E-04	5.90E-05	5.64E-04	1.59E-03	1.61E-03	2.45E-03	2.28E-03	8.03E-04
629340	4279740	1.02E-03	8.68E-04	1.05E-03	6.94E-04	5.82E-05	5.56E-04	1.57E-03	1.59E-03	2.41E-03	2.25E-03	7.91E-04
629360	4279740	1.00E-03	8.54E-04	1.04E-03	6.83E-04	5.72E-05	5.47E-04	1.54E-03	1.56E-03	2.37E-03	2.21E-03	7.78E-04
629380	4279740	9.87E-04	8.39E-04	1.02E-03	6.71E-04	5.62E-05	5.38E-04	1.52E-03	1.54E-03	2.33E-03	2.17E-03	7.65E-04
629400	4279740	9.68E-04	8.23E-04	1.00E-03	6.58E-04	5.52E-05	5.27E-04	1.49E-03	1.51E-03	2.29E-03	2.13E-03	7.50E-04
629420	4279740	9.48E-04	8.06E-04	9.78E-04	6.44E-04	5.40E-05	5.16E-04	1.46E-03	1.48E-03	2.24E-03	2.09E-03	7.35E-04
628920	4279760	8.93E-04	7.59E-04	9.21E-04	6.07E-04	5.09E-05	4.86E-04	1.37E-03	1.39E-03	2.11E-03	1.97E-03	6.92E-04
628940	4279760	9.11E-04	7.74E-04	9.39E-04	6.19E-04	5.19E-05	4.96E-04	1.40E-03	1.42E-03	2.15E-03	2.01E-03	7.06E-04
628960	4279760	9.28E-04	7.89E-04	9.57E-04	6.31E-04	5.29E-05	5.06E-04	1.43E-03	1.44E-03	2.19E-03	2.04E-03	7.19E-04
628980	4279760	9.45E-04	8.03E-04	9.74E-04	6.42E-04	5.38E-05	5.15E-04	1.45E-03	1.47E-03	2.23E-03	2.08E-03	7.32E-04
629000	4279760	9.61E-04	8.17E-04	9.91E-04	6.53E-04	5.48E-05	5.24E-04	1.48E-03	1.50E-03	2.27E-03	2.12E-03	7.45E-04
629020	4279760	9.77E-04	8.30E-04	1.01E-03	6.64E-04	5.57E-05	5.32E-04	1.50E-03	1.52E-03	2.31E-03	2.15E-03	7.57E-04
629040	4279760	9.91E-04	8.42E-04	1.02E-03	6.74E-04	5.65E-05	5.40E-04	1.52E-03	1.54E-03	2.34E-03	2.18E-03	7.68E-04
629060	4279760	1.00E-03	8.54E-04	1.04E-03	6.83E-04	5.72E-05	5.47E-04	1.54E-03	1.56E-03	2.37E-03	2.21E-03	7.78E-04
629080	4279760	1.02E-03	8.63E-04	1.05E-03	6.91E-04	5.79E-05	5.54E-04	1.56E-03	1.58E-03	2.40E-03	2.24E-03	7.87E-04
629100	4279760	1.03E-03	8.72E-04	1.06E-03	6.98E-04	5.85E-05	5.59E-04	1.58E-03	1.60E-03	2.43E-03	2.26E-03	7.95E-04
629120	4279760	1.04E-03	8.79E-04	1.07E-03	7.03E-04	5.90E-05	5.64E-04	1.59E-03	1.61E-03	2.45E-03	2.28E-03	8.02E-04
629140	4279760	1.04E-03	8.85E-04	1.07E-03	7.08E-04	5.94E-05	5.67E-04	1.60E-03	1.62E-03	2.46E-03	2.30E-03	8.07E-04
629160	4279760	1.05E-03	8.89E-04	1.08E-03	7.11E-04	5.96E-05	5.70E-04	1.61E-03	1.63E-03	2.47E-03	2.30E-03	8.10E-04
629180	4279760	1.05E-03	8.91E-04	1.08E-03	7.13E-04	5.97E-05	5.71E-04	1.61E-03	1.63E-03	2.48E-03	2.31E-03	8.12E-04
629200	4279760	1.05E-03	8.91E-04	1.08E-03	7.13E-04	5.98E-05	5.71E-04	1.61E-03	1.63E-03	2.48E-03	2.31E-03	8.13E-04
629220	4279760	1.05E-03	8.90E-04	1.08E-03	7.12E-04	5.97E-05	5.70E-04	1.61E-03	1.63E-03	2.47E-03	2.31E-03	8.11E-04
629240	4279760	1.04E-03	8.86E-04	1.08E-03	7.09E-04	5.94E-05	5.68E-04	1.60E-03	1.62E-03	2.46E-03	2.30E-03	8.08E-04
629260	4279760	1.04E-03	8.81E-04	1.07E-03	7.05E-04	5.91E-05	5.65E-04	1.59E-03	1.61E-03	2.45E-03	2.29E-03	8.04E-04
629280	4279760	1.03E-03	8.75E-04	1.06E-03	7.00E-04	5.87E-05	5.61E-04	1.58E-03	1.60E-03	2.43E-03	2.27E-03	7.97E-04
629300	4279760	1.02E-03	8.66E-04	1.05E-03	6.93E-04	5.81E-05	5.55E-04	1.57E-03	1.59E-03	2.41E-03	2.25E-03	7.90E-04
629320	4279760	1.01E-03	8.56E-04	1.04E-03	6.85E-04	5.74E-05	5.49E-04	1.55E-03	1.57E-03	2.38E-03	2.22E-03	7.80E-04
629340	4279760	9.94E-04	8.45E-04	1.03E-03	6.76E-04	5.66E-05	5.41E-04	1.53E-03	1.55E-03	2.35E-03	2.19E-03	7.70E-04
629360	4279760	9.79E-04	8.32E-04	1.01E-03	6.65E-04	5.58E-05	5.33E-04	1.50E-03	1.52E-03	2.31E-03	2.16E-03	7.59E-04
629380	4279760	9.63E-04	8.18E-04	9.93E-04	6.54E-04	5.49E-05	5.25E-04	1.48E-03	1.50E-03	2.27E-03	2.12E-03	7.46E-04
629400	4279760	9.46E-04	8.03E-04	9.75E-04	6.43E-04	5.39E-05	5.15E-04	1.45E-03	1.47E-03	2.23E-03	2.08E-03	7.32E-04
629420	4279760	9.27E-04	7.88E-04	9.56E-04	6.30E-04	5.28E-05	5.05E-04	1.42E-03	1.44E-03	2.19E-03	2.04E-03	7.18E-04
628920	4279780	8.62E-04	7.32E-04	8.								

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Campus										
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
629180	4279800	9.81E-04	8.34E-04	1.01E-03	6.67E-04	5.59E-05	5.35E-04	1.51E-03	1.53E-03	2.32E-03	2.16E-03	7.60E-04
629200	4279800	9.83E-04	8.35E-04	1.01E-03	6.68E-04	5.60E-05	5.35E-04	1.51E-03	1.53E-03	2.32E-03	2.17E-03	7.62E-04
629220	4279800	9.83E-04	8.35E-04	1.01E-03	6.68E-04	5.60E-05	5.35E-04	1.51E-03	1.53E-03	2.32E-03	2.17E-03	7.61E-04
629240	4279800	9.81E-04	8.33E-04	1.01E-03	6.67E-04	5.59E-05	5.34E-04	1.51E-03	1.53E-03	2.32E-03	2.16E-03	7.60E-04
629260	4279800	9.76E-04	8.30E-04	1.01E-03	6.64E-04	5.56E-05	5.32E-04	1.50E-03	1.52E-03	2.31E-03	2.15E-03	7.56E-04
629280	4279800	9.70E-04	8.25E-04	1.00E-03	6.60E-04	5.53E-05	5.29E-04	1.49E-03	1.51E-03	2.29E-03	2.14E-03	7.52E-04
629300	4279800	9.63E-04	8.18E-04	9.93E-04	6.54E-04	5.49E-05	5.24E-04	1.48E-03	1.50E-03	2.27E-03	2.12E-03	7.46E-04
629320	4279800	9.55E-04	8.10E-04	9.83E-04	6.48E-04	5.43E-05	5.19E-04	1.47E-03	1.48E-03	2.25E-03	2.10E-03	7.39E-04
629340	4279800	9.43E-04	8.01E-04	9.72E-04	6.41E-04	5.37E-05	5.13E-04	1.45E-03	1.47E-03	2.23E-03	2.08E-03	7.30E-04
629360	4279800	9.31E-04	7.91E-04	9.60E-04	6.32E-04	5.30E-05	5.07E-04	1.43E-03	1.45E-03	2.20E-03	2.05E-03	7.21E-04
629380	4279800	9.17E-04	7.79E-04	9.45E-04	6.23E-04	5.21E-05	4.99E-04	1.41E-03	1.43E-03	2.17E-03	2.02E-03	7.10E-04
629400	4279800	9.04E-04	7.68E-04	9.29E-04	6.14E-04	5.14E-05	4.92E-04	1.39E-03	1.41E-03	2.14E-03	1.99E-03	7.00E-04
629420	4279800	8.91E-04	7.57E-04	9.14E-04	6.05E-04	5.07E-05	4.85E-04	1.37E-03	1.39E-03	2.11E-03	1.97E-03	6.91E-04
629440	4279800	8.78E-04	7.46E-04	9.00E-04	5.96E-04	5.00E-05	4.78E-04	1.35E-03	1.37E-03	2.08E-03	1.94E-03	6.81E-04
629460	4279800	8.65E-04	7.35E-04	8.82E-04	5.84E-04	4.93E-05	4.71E-04	1.33E-03	1.35E-03	2.04E-03	1.90E-03	6.70E-04
629480	4279800	8.52E-04	7.24E-04	8.69E-04	5.72E-04	4.86E-05	4.64E-04	1.31E-03	1.33E-03	2.01E-03	1.87E-03	6.58E-04
629500	4279800	8.40E-04	7.13E-04	8.56E-04	5.61E-04	4.79E-05	4.57E-04	1.29E-03	1.31E-03	1.98E-03	1.84E-03	6.46E-04
629520	4279800	8.28E-04	7.02E-04	8.43E-04	5.50E-04	4.72E-05	4.50E-04	1.27E-03	1.29E-03	1.95E-03	1.81E-03	6.34E-04
629540	4279800	8.16E-04	6.91E-04	8.30E-04	5.39E-04	4.65E-05	4.43E-04	1.25E-03	1.27E-03	1.92E-03	1.78E-03	6.22E-04
629560	4279800	8.04E-04	6.80E-04	8.17E-04	5.28E-04	4.58E-05	4.36E-04	1.23E-03	1.25E-03	1.89E-03	1.75E-03	6.10E-04
629580	4279800	7.92E-04	6.69E-04	8.04E-04	5.17E-04	4.51E-05	4.29E-04	1.21E-03	1.23E-03	1.86E-03	1.72E-03	6.00E-04
629600	4279800	7.80E-04	6.58E-04	7.91E-04	5.06E-04	4.44E-05	4.22E-04	1.19E-03	1.21E-03	1.83E-03	1.69E-03	5.88E-04
629620	4279800	7.68E-04	6.47E-04	7.78E-04	4.95E-04	4.37E-05	4.15E-04	1.17E-03	1.19E-03	1.80E-03	1.66E-03	5.76E-04
629640	4279800	7.56E-04	6.36E-04	7.65E-04	4.84E-04	4.30E-05	4.08E-04	1.15E-03	1.17E-03	1.77E-03	1.63E-03	5.64E-04
629660	4279800	7.44E-04	6.25E-04	7.52E-04	4.73E-04	4.23E-05	4.01E-04	1.13E-03	1.15E-03	1.74E-03	1.60E-03	5.52E-04
629680	4279800	7.32E-04	6.14E-04	7.39E-04	4.62E-04	4.16E-05	3.94E-04	1.11E-03	1.13E-03	1.71E-03	1.57E-03	5.40E-04
629700	4279800	7.20E-04	6.03E-04	7.26E-04	4.51E-04	4.09E-05	3.87E-04	1.09E-03	1.11E-03	1.68E-03	1.54E-03	5.28E-04
629720	4279800	7.08E-04	5.92E-04	7.13E-04	4.40E-04	4.02E-05	3.80E-04	1.07E-03	1.09E-03	1.65E-03	1.51E-03	5.16E-04
629740	4279800	6.96E-04	5.81E-04	7.00E-04	4.29E-04	3.95E-05	3.73E-04	1.05E-03	1.07E-03	1.62E-03	1.48E-03	5.04E-04
629760	4279800	6.84E-04	5.70E-04	6.87E-04	4.18E-04	3.88E-05	3.66E-04	1.03E-03	1.05E-03	1.59E-03	1.45E-03	4.92E-04
629780	4279800	6.72E-04	5.59E-04	6.74E-04	4.07E-04	3.83E-05	3.59E-04	1.01E-03	1.03E-03	1.56E-03	1.42E-03	4.80E-04
629800	4279800	6.60E-04	5.48E-04	6.61E-04	3.96E-04	3.78E-05	3.52E-04	9.9E-04	1.01E-03	1.53E-03	1.39E-03	4.68E-04
629820	4279800	6.48E-04	5.37E-04	6.48E-04	3.85E-04	3.73E-05	3.45E-04	9.7E-04	9.9E-04	1.50E-03	1.36E-03	4.56E-04
629840	4279800	6.36E-04	5.26E-04	6.35E-04	3.74E-04	3.68E-05	3.38E-04	9.5E-04	9.7E-04	1.47E-03	1.33E-03	4.44E-04
629860	4279800	6.24E-04	5.15E-04	6.22E-04	3.63E-04	3.63E-05	3.31E-04	9.3E-04	9.5E-04	1.44E-03	1.30E-03	4.32E-04
629880	4279800	6.12E-04	5.04E-04	6.09E-04	3.52E-04	3.58E-05	3.24E-04	9.1E-04	9.3E-04	1.41E-03	1.27E-03	4.20E-04
629900	4279800	6.00E-04	4.93E-04	5.96E-04	3.41E-04	3.53E-05	3.17E-04	8.9E-04	9.1E-04	1.38E-03	1.24E-03	4.08E-04
629920	4279800	5.88E-04	4.82E-04	5.84E-04	3.30E-04	3.48E-05	3.10E-04	8.7E-04	8.9E-04	1.35E-03	1.21E-03	3.96E-04
629940	4279800	5.76E-04	4.71E-04	5.71E-04	3.19E-04	3.43E-05	3.03E-04	8.5E-04	8.7E-04	1.32E-03	1.18E-03	3.84E-04
629960	4279800	5.64E-04	4.60E-04	5.59E-04	3.08E-04	3.38E-05	2.96E-04	8.3E-04	8.5E-04	1.29E-03	1.15E-03	3.72E-04
629980	4279800	5.52E-04	4.49E-04	5.47E-04	2.97E-04	3.33E-05	2.89E-04	8.1E-04	8.3E-04	1.26E-03	1.12E-03	3.60E-04
630000	4279800	5.40E-04	4.38E-04	5.35E-04	2.86E-04	3.28E-05	2.82E-04	7.9E-04	8.1E-04	1.23E-03	1.09E-03	3.48E-04
630020	4279800	5.28E-04	4.27E-04	5.23E-04	2.75E-04	3.23E-05	2.75E-04	7.7E-04	7.9E-04	1.20E-03	1.06E-03	3.36E-04
630040	4279800	5.16E-04	4.16E-04	5.11E-04	2.64E-04	3.18E-05	2.68E-04	7.5E-04	7.7E-04	1.17E-03	1.03E-03	3.24E-04
630060	4279800	5.04E-04	4.05E-04	4.99E-04	2.53E-04	3.13E-05	2.61E-04	7.3E-04	7.5E-04	1.14E-03	1.00E-03	3.12E-04
630080	4279800	4.92E-04	3.94E-04	4.87E-04	2.42E-04	3.08E-05	2.54E-04	7.1E-04	7.3E-04	1.11E-03	9.7E-04	3.00E-04
630100	4279800	4.80E-04	3.83E-04	4.75E-04	2.31E-04	3.03E-05	2.47E-04	6.9E-04	7.1E-04	1.08E-03	9.4E-04	2.88E-04
630120	4279800	4.68E-04	3.72E-04	4.63E-04	2.20E-04	2.98E-05	2.40E-04	6.7E-04	6.9E-04	1.05E-03	9.1E-04	2.76E-04
630140	4279800	4.56E-04	3.61E-04	4.51E-04	2.09E-04	2.93E-05	2.33E-04	6.5E-04	6.7E-04	1.02E-03	8.8E-04	2.64E-04
630160	4279800	4.44E-04	3.50E-04	4.39E-04	1.98E-04	2.88E-05	2.26E-04	6.3E-04	6.5E-04	9.9E-04	8.5E-04	2.52E-04
630180	4279800	4.32E-04	3.39E-04	4.27E-04	1.87E-04	2.83E-05	2.19E-04	6.1E-04	6.3E-04	9.6E-04	8.2E-04	2.40E-04
630200	4279800	4.20E-04	3.28E-04	4.15E-04	1.76E-04	2.78E-05	2.12E-04	5.9E-04	6.1E-04	9.3E-04	7.9E-04	2.28E-04
630220	4279800	4.08E-04	3.17E-04	4.03E-04	1.65E-04	2.73E-05	2.05E-04	5.7E-04	5.9E-04	9.0E-04	7.6E-04	2.16E-04
630240	4279800	3.96E-04	3.06E-04	3.91E-04	1.54E-04	2.68E-05	1.98E-04	5.5E-04	5.7E-04	8.7E-04	7.3E-04	2.04E-04
630260	4279800	3.84E-04	2.95E-04	3.79E-04	1.43E-04	2.63E-05	1.91E-04	5.3E-04	5.5E-04	8.4E-04	7.0E-04	1.92E-04
630280	4279800	3.72E-04	2.84E-04	3.67E-04	1.32E-04	2.58E-05	1.84E-04	5.1E-04	5.3E-04	8.1E-04	6.7E-04	1.80E-04
630300	4279800	3.60E-04	2.73E-04	3.55E-04	1.21E-04	2.53E-05	1.77E-04	4.9E-04	5.1E-04	7.8E-04	6.4E-04	1.68E-04
630320	4279800	3.48E-04	2.62E-04	3.43E-04	1.10E-04	2.48E-05	1.70E-04	4.7E-04	4.9E-04	7.5E-04	6.1E-04	1.56E-04
630340	4279800	3.36E-04	2.51E-04	3.31E-04	9.9E-05	2.43E-05	1.63E-04	4.5E-04	4.7E-04	7.2E-04	5.8E-04	1.44E-04
630360	4279800	3.24E-04	2.40E-04	3.19E-04	8.8E-05	2.38E-05	1.56E-04	4.3E-04	4.5E-04	6.9E-04	5.5E-04	1.32E-04
630380	4279800	3.12E-04	2.29E-04	3.07E-04	7.7E-05	2.33E-05	1.49E-04	4.1E-04	4.3E-04	6.6E-04	5.2E-04	1.20E-04
630400	4279800	3.00E-04	2.18E-04	2.95E-04	6.6E-05	2.28E-05	1.42E-04	3.9E-04	4.1E-04	6.3E-04	4.9E-04	1.08E-04
630420	4279800	2.88E-04	2.07E-04	2.83E-04	5.5E-05	2.23E-05	1.35E-04	3.7E-04	3.9E-04	6.0E-04	4.6E-04	9.6E-05
630440	4279800	2.76E-04	1.96E-04	2.71E-04	4.4E-05	2.18E-05	1.28E-04	3.5E-04	3.7E-04	5.7E-04	4.3E-04	8.4E-05
630460	4279800	2.64E-04	1.85E-04	2.59E-04	3.3E-05	2.13E-05	1.21E-04	3.3E-04	3.5E-04	5.4E-04	4.0E-04	7.2E-05
630480	4279800	2.52E-04	1.74E-04	2.47E-04	2.2E-05	2.08E-05	1.14E-04	3.1E-04	3.3E-04	5.1E-04	3.7E-04	6.0E-05
630500	4279800	2.40E-04	1.63E-04	2.35E-04	1.1E-05	2.03E-05	1.07E-04	2.9E-04	3.1E-04	4.8E-04	3.4E-04	4.8E-05
630520	4279800	2.28E-04	1.52E-04	2.23E-04	0.00E-05	1.98E-05	1.00E-04	2.7E-04	2.9E-04	4.5E-04	3.1E-04	3.6E-05
630540	4279800	2.16E-04	1.41E-04	2.11E-04	0.00E-05	1.93E-05	9.3E-05	2.5E-04	2.7E-04	4.2E-04	2.8E-04	2.4E-05
630560	4279800	2.04E-04	1.30E-04	1.99E-04	0.00E-05	1.88E-05	8.6E-05	2.3E-04	2.5E-04	3.9E-04	2.5E-04	1.2E-05
630580	4279800	1.92E-04	1.19E-04	1.87E-04	0.00E-05	1.83E-05	7.9E-05	2.1E-04	2.3E-04	3.6E-04	2.2E-04	0.00E-05
630600	4279800	1.80E										

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	CNU Campus											HI			Receptor Determination
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	DPM	Max Year	HI	
629080	4279900	8.03E-04	6.82E-04	8.28E-04	5.45E-04	4.57E-05	4.37E-04	1.23E-03	1.25E-03	1.90E-03	1.77E-03	6.22E-04	1.90E-03	2030	3.79E-04	Inderkum High School
629100	4279900	8.12E-04	6.90E-04	8.38E-04	5.52E-04	4.63E-05	4.42E-04	1.25E-03	1.26E-03	1.92E-03	1.79E-03	6.29E-04	1.92E-03	2030	3.84E-04	Inderkum High School
629120	4279900	8.21E-04	6.97E-04	8.46E-04	5.58E-04	4.68E-05	4.47E-04	1.26E-03	1.28E-03	1.94E-03	1.81E-03	6.36E-04	1.94E-03	2030	3.88E-04	Inderkum High School
629140	4279900	8.28E-04	7.04E-04	8.54E-04	5.63E-04	4.72E-05	4.51E-04	1.27E-03	1.29E-03	1.96E-03	1.82E-03	6.41E-04	1.96E-03	2030	3.91E-04	Inderkum High School
629160	4279900	8.34E-04	7.09E-04	8.60E-04	5.67E-04	4.75E-05	4.54E-04	1.28E-03	1.30E-03	1.97E-03	1.84E-03	6.46E-04	1.97E-03	2030	3.94E-04	Inderkum High School
629180	4279900	8.39E-04	7.12E-04	8.65E-04	5.70E-04	4.78E-05	4.57E-04	1.29E-03	1.30E-03	1.98E-03	1.85E-03	6.50E-04	1.98E-03	2030	3.96E-04	Inderkum High School
629200	4279900	8.42E-04	7.15E-04	8.68E-04	5.72E-04	4.80E-05	4.59E-04	1.29E-03	1.31E-03	1.99E-03	1.85E-03	6.52E-04	1.99E-03	2030	3.98E-04	Inderkum High School
629220	4279900	8.44E-04	7.17E-04	8.70E-04	5.73E-04	4.81E-05	4.60E-04	1.30E-03	1.31E-03	1.99E-03	1.86E-03	6.54E-04	1.99E-03	2030	3.99E-04	Inderkum High School
629240	4279900	8.44E-04	7.18E-04	8.71E-04	5.74E-04	4.81E-05	4.60E-04	1.30E-03	1.31E-03	1.99E-03	1.86E-03	6.54E-04	1.99E-03	2030	3.99E-04	Inderkum High School
629260	4279900	8.44E-04	7.17E-04	8.70E-04	5.73E-04	4.81E-05	4.60E-04	1.30E-03	1.31E-03	1.99E-03	1.86E-03	6.54E-04	1.99E-03	2030	3.99E-04	Inderkum High School
629280	4279900	8.41E-04	7.15E-04	8.68E-04	5.72E-04	4.79E-05	4.58E-04	1.29E-03	1.31E-03	1.99E-03	1.85E-03	6.52E-04	1.99E-03	2030	3.98E-04	Inderkum High School
629300	4279900	8.38E-04	7.12E-04	8.64E-04	5.69E-04	4.77E-05	4.56E-04	1.29E-03	1.30E-03	1.98E-03	1.85E-03	6.49E-04	1.98E-03	2030	3.96E-04	Inderkum High School
629320	4279920	6.84E-04	5.81E-04	7.05E-04	4.65E-04	3.90E-05	3.72E-04	1.05E-03	1.06E-03	1.62E-03	1.51E-03	5.30E-04	1.62E-03	2030	3.23E-04	Inderkum High School
629340	4279920	6.96E-04	5.92E-04	7.18E-04	4.73E-04	3.97E-05	3.79E-04	1.07E-03	1.08E-03	1.64E-03	1.53E-03	5.39E-04	1.64E-03	2030	3.29E-04	Inderkum High School
629360	4279920	7.09E-04	6.02E-04	7.31E-04	4.82E-04	4.04E-05	3.86E-04	1.09E-03	1.10E-03	1.67E-03	1.56E-03	5.49E-04	1.67E-03	2030	3.35E-04	Inderkum High School
629380	4279920	7.21E-04	6.13E-04	7.44E-04	4.90E-04	4.11E-05	3.93E-04	1.11E-03	1.12E-03	1.70E-03	1.59E-03	5.59E-04	1.70E-03	2030	3.41E-04	Inderkum High School
629400	4279920	7.34E-04	6.23E-04	7.57E-04	4.99E-04	4.18E-05	4.00E-04	1.13E-03	1.14E-03	1.73E-03	1.62E-03	5.68E-04	1.73E-03	2030	3.47E-04	Inderkum High School
629420	4279920	7.46E-04	6.33E-04	7.69E-04	5.07E-04	4.25E-05	4.06E-04	1.15E-03	1.16E-03	1.76E-03	1.64E-03	5.78E-04	1.76E-03	2030	3.52E-04	Inderkum High School
629440	4279920	7.57E-04	6.43E-04	7.81E-04	5.14E-04	4.31E-05	4.12E-04	1.16E-03	1.18E-03	1.79E-03	1.67E-03	5.86E-04	1.79E-03	2030	3.58E-04	Inderkum High School
629460	4279920	7.68E-04	6.52E-04	7.92E-04	5.22E-04	4.37E-05	4.18E-04	1.18E-03	1.19E-03	1.81E-03	1.69E-03	5.95E-04	1.81E-03	2030	3.63E-04	Inderkum High School
629480	4279920	7.78E-04	6.61E-04	8.02E-04	5.29E-04	4.43E-05	4.24E-04	1.20E-03	1.21E-03	1.84E-03	1.71E-03	6.02E-04	1.84E-03	2030	3.67E-04	Inderkum High School
629100	4279920	7.87E-04	6.69E-04	8.12E-04	5.35E-04	4.49E-05	4.29E-04	1.21E-03	1.23E-03	1.86E-03	1.73E-03	6.10E-04	1.86E-03	2030	3.72E-04	Inderkum High School
629120	4279920	7.96E-04	6.76E-04	8.21E-04	5.41E-04	4.53E-05	4.33E-04	1.22E-03	1.24E-03	1.88E-03	1.75E-03	6.16E-04	1.88E-03	2030	3.76E-04	Inderkum High School
629140	4279920	8.03E-04	6.82E-04	8.28E-04	5.46E-04	4.57E-05	4.37E-04	1.23E-03	1.25E-03	1.90E-03	1.77E-03	6.22E-04	1.90E-03	2030	3.79E-04	Inderkum High School
629160	4279920	8.09E-04	6.87E-04	8.34E-04	5.50E-04	4.61E-05	4.41E-04	1.24E-03	1.26E-03	1.91E-03	1.78E-03	6.27E-04	1.91E-03	2030	3.82E-04	Inderkum High School
629180	4279920	8.13E-04	6.91E-04	8.39E-04	5.53E-04	4.63E-05	4.43E-04	1.25E-03	1.27E-03	1.92E-03	1.79E-03	6.30E-04	1.92E-03	2030	3.84E-04	Inderkum High School
629200	4279920	8.17E-04	6.94E-04	8.42E-04	5.55E-04	4.65E-05	4.45E-04	1.26E-03	1.27E-03	1.93E-03	1.80E-03	6.33E-04	1.93E-03	2030	3.86E-04	Inderkum High School
629220	4279920	8.19E-04	6.96E-04	8.45E-04	5.57E-04	4.67E-05	4.46E-04	1.26E-03	1.28E-03	1.94E-03	1.81E-03	6.35E-04	1.94E-03	2030	3.87E-04	Inderkum High School
629240	4279920	8.20E-04	6.97E-04	8.46E-04	5.58E-04	4.67E-05	4.47E-04	1.26E-03	1.28E-03	1.94E-03	1.81E-03	6.36E-04	1.94E-03	2030	3.88E-04	Inderkum High School
629260	4279920	8.20E-04	6.97E-04	8.46E-04	5.57E-04	4.67E-05	4.47E-04	1.26E-03	1.28E-03	1.94E-03	1.81E-03	6.35E-04	1.94E-03	2030	3.87E-04	Inderkum High School
629540	4278840	1.00E-03	8.50E-04	1.03E-03	6.80E-04	5.70E-05	5.45E-04	1.54E-03	1.56E-03	2.36E-03	2.20E-03	7.75E-04	2.36E-03	2030	4.73E-04	Little Blossom Montessori S
629540	4278820	1.00E-03	8.51E-04	1.03E-03	6.81E-04	5.71E-05	5.46E-04	1.54E-03	1.56E-03	2.37E-03	2.21E-03	7.76E-04	2.37E-03	2030	4.73E-04	Little Blossom Montessori S
629560	4278820	9.43E-04	8.02E-04	9.73E-04	6.41E-04	5.38E-05	5.14E-04	1.45E-03	1.47E-03	2.23E-03	2.08E-03	7.31E-04	2.23E-03	2030	4.46E-04	Little Blossom Montessori S
629580	4278820	8.90E-04	7.56E-04	9.18E-04	6.05E-04	5.07E-05	4.85E-04	1.37E-03	1.39E-03	2.10E-03	1.96E-03	6.90E-04	2.10E-03	2030	4.21E-04	Little Blossom Montessori S
629560	4278840	9.41E-04	8.00E-04	9.71E-04	6.40E-04	5.36E-05	5.13E-04	1.45E-03	1.47E-03	2.22E-03	2.07E-03	7.29E-04	2.22E-03	2030	4.45E-04	Little Blossom Montessori S

C3-6 Hazard Index Calculations (Combine CNU and PUD)

Diesel/Particulate Matter concentration, C₅₀₀ (ug/m³)

Table with columns for X (UTM), Y (UTM), Year (2022-2038), and HI (Max Year, HI, Receptor Determination). The table contains a grid of data points for various locations and years.

Diesel Particulate Matter concentration, C₅₀₀ (ug/m³)

Table with columns for X (UTM), Y (UTM), Year (2022-2038), and Receptor Determination. The table contains a grid of numerical values representing Diesel Particulate Matter concentration across various years and receptor locations.

Diesel/Particulate Matter concentration, C₅₀₀ (ug/m³)

Table with columns for X (UTM), Y (UTM), 2022-2038, Innovation Park + CNU (2019-2038), and HI (Max Year, HI, Receptor Determination). The table contains a dense grid of numerical data representing concentration values and receptor status for various locations and years.

Diesel Particulate Matter concentration, C₅₀₀ [ug/m³]

Table with columns for X (UTM), Y (UTM), Year (2022-2038), and Receptor Determination. The table contains a grid of data points for various locations and years, with receptor determinations such as 'Residential' or 'Learning Pointe Christian Ph'.

Diesel/Particulate Matter concentration, C₅₀₀ (ug/m³)

Table with columns for X (UTM), Y (UTM), Year (2022-2038), and Receptor Determination. The table contains a grid of data points for various locations and years, with values representing Diesel/Particulate Matter concentration.

Diesel Particulate Matter concentration, C_{DPM} (ug/m³)

X (UTM)	Y (UTM)	Innovation Park + CNU																HI				
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	Max Year	HI	Receptor Determination	
629080	4279860	4.08E-02	2.27E-02	2.27E-02	1.54E-02	1.07E-02	1.51E-02	2.51E-02	2.54E-02	8.53E-03	7.57E-03	4.19E-03	2.25E-03	4.52E-03	1.71E-03	1.37E-03	1.38E-03	1.47E-03	4.08E-02	2022	8.19E-03	Interdum High School
629100	4279860	4.09E-02	2.38E-02	2.29E-02	1.54E-02	1.07E-02	1.52E-02	2.53E-02	2.56E-02	8.55E-03	7.62E-03	4.20E-03	2.24E-03	4.51E-03	1.71E-03	1.37E-03	1.37E-03	1.46E-03	4.09E-02	2022	8.17E-03	Interdum High School
629120	4279860	4.09E-02	2.38E-02	2.29E-02	1.54E-02	1.07E-02	1.52E-02	2.54E-02	2.57E-02	8.58E-03	7.66E-03	4.21E-03	2.24E-03	4.49E-03	1.70E-03	1.36E-03	1.37E-03	1.46E-03	4.09E-02	2022	8.19E-03	Interdum High School
629140	4279860	4.09E-02	2.39E-02	2.30E-02	1.54E-02	1.06E-02	1.52E-02	2.55E-02	2.58E-02	8.59E-03	7.69E-03	4.22E-03	2.23E-03	4.47E-03	1.69E-03	1.36E-03	1.36E-03	1.45E-03	4.09E-02	2022	8.19E-03	Interdum High School
629160	4279860	4.09E-02	2.39E-02	2.31E-02	1.55E-02	1.06E-02	1.52E-02	2.56E-02	2.59E-02	8.60E-03	7.71E-03	4.22E-03	2.22E-03	4.45E-03	1.69E-03	1.35E-03	1.35E-03	1.44E-03	4.09E-02	2022	8.19E-03	Interdum High School
629180	4279860	4.09E-02	2.39E-02	2.31E-02	1.54E-02	1.05E-02	1.52E-02	2.56E-02	2.60E-02	8.59E-03	7.72E-03	4.22E-03	2.20E-03	4.42E-03	1.68E-03	1.34E-03	1.35E-03	1.44E-03	4.09E-02	2022	8.17E-03	Interdum High School
629200	4279860	4.07E-02	2.39E-02	2.31E-02	1.54E-02	1.04E-02	1.52E-02	2.56E-02	2.60E-02	8.57E-03	7.72E-03	4.21E-03	2.19E-03	4.39E-03	1.66E-03	1.33E-03	1.34E-03	1.43E-03	4.07E-02	2022	8.14E-03	Interdum High School
629220	4279860	4.06E-02	2.38E-02	2.30E-02	1.54E-02	1.04E-02	1.51E-02	2.56E-02	2.59E-02	8.55E-03	7.70E-03	4.20E-03	2.17E-03	4.36E-03	1.65E-03	1.32E-03	1.33E-03	1.42E-03	4.06E-02	2022	8.11E-03	Interdum High School
629240	4279860	4.03E-02	2.37E-02	2.29E-02	1.53E-02	1.03E-02	1.50E-02	2.55E-02	2.58E-02	8.50E-03	7.68E-03	4.17E-03	2.15E-03	4.32E-03	1.64E-03	1.31E-03	1.32E-03	1.40E-03	4.03E-02	2022	8.05E-03	Interdum High School
629260	4279860	4.00E-02	2.35E-02	2.28E-02	1.52E-02	1.02E-02	1.49E-02	2.54E-02	2.57E-02	8.44E-03	7.63E-03	4.14E-03	2.13E-03	4.27E-03	1.62E-03	1.30E-03	1.30E-03	1.39E-03	4.00E-02	2022	8.00E-03	Interdum High School
629280	4279860	3.96E-02	2.32E-02	2.26E-02	1.51E-02	1.00E-02	1.48E-02	2.52E-02	2.55E-02	8.36E-03	7.58E-03	4.11E-03	2.10E-03	4.21E-03	1.59E-03	1.28E-03	1.28E-03	1.37E-03	3.96E-02	2022	7.92E-03	Interdum High School
629300	4279860	3.91E-02	2.31E-02	2.24E-02	1.49E-02	9.89E-03	1.46E-02	2.50E-02	2.53E-02	8.28E-03	7.51E-03	4.06E-03	2.07E-03	4.15E-03	1.57E-03	1.26E-03	1.26E-03	1.35E-03	3.91E-02	2022	7.83E-03	Interdum High School
629320	4279860	3.86E-02	2.29E-02	2.22E-02	1.47E-02	9.74E-03	1.44E-02	2.48E-02	2.51E-02	8.18E-03	7.44E-03	4.02E-03	2.05E-03	4.08E-03	1.55E-03	1.24E-03	1.24E-03	1.33E-03	3.86E-02	2022	7.75E-03	Interdum High School
629340	4279860	3.81E-02	2.25E-02	2.19E-02	1.45E-02	9.58E-03	1.42E-02	2.45E-02	2.48E-02	8.07E-03	7.35E-03	3.96E-03	2.00E-03	4.01E-03	1.52E-03	1.22E-03	1.22E-03	1.30E-03	3.81E-02	2022	7.62E-03	Interdum High School
629360	4279860	3.71E-02	2.12E-02	2.02E-02	1.38E-02	1.00E-02	1.37E-02	2.21E-02	2.23E-02	7.67E-03	6.70E-03	3.77E-03	2.12E-03	4.26E-03	1.62E-03	1.29E-03	1.30E-03	1.39E-03	3.71E-02	2022	7.42E-03	Interdum High School
629380	4279860	3.75E-02	2.15E-02	2.05E-02	1.39E-02	1.01E-02	1.38E-02	2.24E-02	2.27E-02	7.77E-03	6.79E-03	3.81E-03	2.14E-03	4.29E-03	1.63E-03	1.30E-03	1.31E-03	1.38E-03	3.75E-02	2022	7.50E-03	Interdum High School
629400	4279860	3.79E-02	2.17E-02	2.07E-02	1.41E-02	1.02E-02	1.40E-02	2.27E-02	2.30E-02	7.85E-03	6.88E-03	3.86E-03	2.15E-03	4.31E-03	1.63E-03	1.31E-03	1.31E-03	1.40E-03	3.79E-02	2022	7.57E-03	Interdum High School
629420	4279860	3.82E-02	2.20E-02	2.10E-02	1.42E-02	1.02E-02	1.41E-02	2.30E-02	2.33E-02	7.94E-03	6.97E-03	3.90E-03	2.16E-03	4.34E-03	1.64E-03	1.32E-03	1.32E-03	1.41E-03	3.82E-02	2022	7.64E-03	Interdum High School
629000	4279880	3.85E-02	2.22E-02	2.12E-02	1.44E-02	1.03E-02	1.42E-02	2.33E-02	2.36E-02	8.01E-03	7.05E-03	3.93E-03	2.17E-03	4.37E-03	1.65E-03	1.32E-03	1.32E-03	1.41E-03	3.85E-02	2022	7.70E-03	Interdum High School
629020	4279880	3.88E-02	2.24E-02	2.14E-02	1.45E-02	1.03E-02	1.44E-02	2.36E-02	2.39E-02	8.07E-03	7.13E-03	3.96E-03	2.17E-03	4.35E-03	1.65E-03	1.32E-03	1.33E-03	1.41E-03	3.88E-02	2022	7.75E-03	Interdum High School
629040	4279880	3.90E-02	2.25E-02	2.16E-02	1.46E-02	1.03E-02	1.44E-02	2.38E-02	2.41E-02	8.13E-03	7.20E-03	3.99E-03	2.17E-03	4.35E-03	1.65E-03	1.32E-03	1.33E-03	1.41E-03	3.90E-02	2022	7.80E-03	Interdum High School
629060	4279880	3.92E-02	2.27E-02	2.18E-02	1.47E-02	1.03E-02	1.45E-02	2.40E-02	2.43E-02	8.18E-03	7.26E-03	4.02E-03	2.17E-03	4.35E-03	1.65E-03	1.32E-03	1.33E-03	1.41E-03	3.92E-02	2022	7.83E-03	Interdum High School
629080	4279880	3.93E-02	2.28E-02	2.19E-02	1.48E-02	1.03E-02	1.46E-02	2.42E-02	2.45E-02	8.22E-03	7.31E-03	4.03E-03	2.16E-03	4.34E-03	1.65E-03	1.32E-03	1.33E-03	1.41E-03	3.93E-02	2022	7.86E-03	Interdum High School
629100	4279880	3.94E-02	2.29E-02	2.20E-02	1.48E-02	1.03E-02	1.46E-02	2.44E-02	2.47E-02	8.25E-03	7.36E-03	4.05E-03	2.16E-03	4.33E-03	1.64E-03	1.31E-03	1.32E-03	1.40E-03	3.94E-02	2022	7.87E-03	Interdum High School
629120	4279880	3.94E-02	2.30E-02	2.21E-02	1.49E-02	1.02E-02	1.47E-02	2.45E-02	2.48E-02	8.27E-03	7.40E-03	4.06E-03	2.15E-03	4.31E-03	1.63E-03	1.31E-03	1.31E-03	1.40E-03	3.94E-02	2022	7.88E-03	Interdum High School
629140	4279880	3.95E-02	2.31E-02	2.22E-02	1.49E-02	1.02E-02	1.47E-02	2.47E-02	2.50E-02	8.29E-03	7.43E-03	4.07E-03	2.14E-03	4.30E-03	1.63E-03	1.31E-03	1.31E-03	1.40E-03	3.95E-02	2022	7.90E-03	Interdum High School
629160	4279880	3.95E-02	2.31E-02	2.23E-02	1.49E-02	1.02E-02	1.47E-02	2.47E-02	2.51E-02	8.30E-03	7.45E-03	4.07E-03	2.14E-03	4.29E-03	1.62E-03	1.30E-03	1.30E-03	1.39E-03	3.95E-02	2022	7.90E-03	Interdum High School
629180	4279880	3.94E-02	2.31E-02	2.23E-02	1.49E-02	1.01E-02	1.47E-02	2.48E-02	2.51E-02	8.29E-03	7.44E-03	4.07E-03	2.13E-03	4.28E-03	1.62E-03	1.30E-03	1.30E-03	1.38E-03	3.94E-02	2022	7.89E-03	Interdum High School
629200	4279880	3.93E-02	2.31E-02	2.23E-02	1.49E-02	1.01E-02	1.46E-02	2.48E-02	2.51E-02	8.28E-03	7.47E-03	4.07E-03	2.11E-03	4.23E-03	1.60E-03	1.29E-03	1.29E-03	1.37E-03	3.93E-02	2022	7.87E-03	Interdum High School
629220	4279880	3.92E-02	2.30E-02	2.23E-02	1.49E-02	1.00E-02	1.46E-02	2.48E-02	2.51E-02	8.26E-03	7.47E-03	4.06E-03	2.09E-03	4.20E-03	1.59E-03	1.28E-03	1.28E-03	1.36E-03	3.92E-02	2022	7.84E-03	Interdum High School
629240	4279880	3.90E-02	2.29E-02	2.22E-02	1.48E-02	9.92E-03	1.45E-02	2.47E-02	2.50E-02	8.22E-03	7.43E-03	4.04E-03	2.07E-03	4.16E-03	1.58E-03	1.26E-03	1.27E-03	1.35E-03	3.90E-02	2022	7.79E-03	Interdum High School
629260	4279880	3.87E-02	2.28E-02	2.21E-02	1.48E-02	9.82E-03	1.44E-02	2.46E-02	2.49E-02	8.17E-03	7.40E-03	4.02E-03	2.05E-03	4.12E-03	1.56E-03	1.25E-03	1.26E-03	1.34E-03	3.87E-02	2022	7.75E-03	Interdum High School
629280	4279880	3.83E-02	2.25E-02	2.19E-02	1.46E-02	9.70E-03	1.43E-02	2.45E-02	2.48E-02	8.10E-03	7.35E-03	3.98E-03	2.02E-03	4.06E-03	1.54E-03	1.23E-03	1.24E-03	1.33E-03	3.83E-02	2022	7.70E-03	Interdum High School
629300	4279880	3.79E-02	2.24E-02	2.17E-02	1.44E-02	9.57E-03	1.42E-02	2.43E-02	2.46E-02	8.03E-03	7.29E-03	3.94E-03	2.00E-03	4.01E-03	1.52E-03	1.22E-03	1.23E-03	1.30E-03	3.79E-02	2022	7.59E-03	Interdum High School
629320	4279880	3.75E-02	2.22E-02	2.15E-02	1.43E-02	9.43E-03	1.40E-02	2.41E-02	2.44E-02	7.94E-03	7.23E-03	3.90E-03	1.97E-03	3.95E-03	1.50E-03	1.20E-03	1.20E-03	1.28E-03	3.75E-02	2022	7.50E-03	Interdum High School
629340	4279880	3.69E-02	2.19E-02	2.13E-02	1.40E-02	9.24E-03	1.38E-02	2.38E-02	2.41E-02	7.83E-03	7.16E-03	3.86E-03	1.94E-03	3.90E-03	1.48E-03	1.19E-03	1.19E-03	1.26E-03	3.69E-02	2022	7.40E-03	Interdum High School
629360	4279900	3.61E-02	2.07E-02	1.97E-02	1.34E-02	9.12E-03	1.33E-02	2.16E-02	2.19E-02	7.49E-03	6.66E-03	3.68E-03	1.85E-03	4.12E-03	1.56E-03	1.25E-03	1.26E-03	1.34E-03	3.61E-02	2022	7.22E-03	Interdum High School
629380	4279900	3.65E-02	2.09E-02	2.00E-02	1.36E-02	9.17E-03	1.35E-02	2.19E-02	2.22E-02	7.57E-03	6.64E-03	3.72E-03	1.86E-03	4.14E-03	1.57E-03	1.26E-03	1.26E-03	1.34E-03	3.65E-02	2022	7.29E-03	Interdum High School
629400	4279900	3.68E-02	2.12E-02	2.02E-02	1.37E-02	9.23E-03	1.36E-02	2.22E-02	2.25E-02	7.65E-03	6.67E-03	3.76E-03	1.87E-03	4.16E-03	1.58E-03	1.26E-03	1.27E-03	1.35E-03	3.68E-02	2022	7.36E-03	Interdum High School
629000	4279920	3.71E-02	2.14E-02	2.05E-02	1.38E-02	9.26E-03	1.37E-02	2.25E-02	2.28E-02	7.72E-03	6.81E-03	3.79E-03	1.88E-03	4.18E-03	1.58E-03	1.27E-03	1.27E-03	1.36E-03	3.71E-02	2022	7.42E-03	Interdum High School
629020	4279920	3.73E-02	2.16E-02	2.07E-02	1.40E-02	9.28E-03	1.38E-02	2.28E-02	2.30E-02	7.78E-03	6.88E-03	3.82E-03	1.89E-03	4.18E-03								

Innovation Park PUD

Innovation Park with CNU

Mitigated Innovation Park w/ CNU Construction Hazard Index Calculations

Construction Emissions, as applied to AERMOD results	Year	Start Date	Stop Date	Innovation Park		CNU	
				Duration	Mitigated DPM	Duration	Mitigated DPM
Innovation Park Construction	2022	1/3/2022	12/31/2022	363	1,136.02	3,266.04	1,096.02
	2023	1/3/2023	12/31/2023	365	6,066.03	1,746.04	1,011.02
	2024	1/3/2024	12/31/2024	366	5,346.03	1,536.04	1,236.02
	2025	1/3/2025	12/31/2025	365	1,326.03	1,536.04	2,336.04
	2026	1/1/2026	12/31/2026	365	6,776.03	1,956.04	6,806.04
	2027	1/1/2027	12/31/2027	365	6,056.03	1,746.04	6,506.03
	2028	1/1/2028	12/31/2028	366	5,306.03	1,526.04	1,846.02
	2029	1/1/2029	12/31/2029	365	5,326.03	1,536.04	1,866.02
	2030	1/1/2030	12/31/2030	365	6,776.03	1,956.04	2,906.02
	2031	1/1/2031	12/31/2031	365	6,056.03	1,746.04	2,696.02
	2032	1/1/2032	12/31/2032	366	5,346.03	1,536.04	6,186.03
	2033	1/1/2033	12/31/2033	365	5,306.03	1,526.04	0.00E+00
	2034	1/1/2034	12/31/2034	365	6,656.03	1,916.04	0.00E+00
	2035	1/1/2035	12/31/2035	365	6,116.03	1,766.04	0.00E+00
	2036	1/1/2036	12/31/2036	366	5,346.03	1,536.04	0.00E+00
	2037	1/1/2037	12/31/2037	365	5,326.03	1,536.04	0.00E+00
	2038	1/1/2038	7/5/2038	186	1,626.03	9,146.05	0.00E+00

DPM	REL	5	ug/m ³
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Diesel Particulate Matter concentration, C_{PM10} (ug/m³)

X (UTM)	Y (UTM)	Innovation Park + CNU																	
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	
629540	4278320	1.39E-03	1.03E-03	1.14E-03	8.54E-04	4.30E-04	7.86E-04	1.55E-03	1.57E-03	2.30E-03	2.65E-03	7.22E-04	3.00E-04	3.77E-04	3.46E-04	3.02E-04	3.02E-04	1.80E-04	
629560	4278320	1.34E-03	9.98E-04	1.10E-03	8.24E-04	4.20E-04	7.60E-04	1.49E-03	1.51E-03	2.21E-03	2.19E-03	6.98E-04	2.94E-04	3.39E-04	2.96E-04	2.95E-04	1.79E-04	2.21E-03	
629580	4278340	1.43E-03	1.06E-03	1.17E-03	8.78E-04	4.47E-04	8.09E-04	1.59E-03	1.60E-03	2.36E-03	2.18E-03	7.43E-04	3.13E-04	3.92E-04	3.60E-04	3.14E-04	3.14E-04	1.88E-04	
629600	4278340	1.40E-03	1.02E-03	1.12E-03	8.45E-04	4.38E-04	7.80E-04	1.52E-03	1.54E-03	2.26E-03	2.10E-03	7.16E-04	3.05E-04	3.81E-04	3.52E-04	3.07E-04	3.06E-04	1.81E-04	
629620	4278360	1.33E-03	9.85E-04	1.07E-03	8.14E-04	4.24E-04	7.53E-04	1.46E-04	1.48E-03	2.17E-03	2.01E-03	6.91E-04	2.98E-04	3.74E-04	3.43E-04	2.99E-04	2.99E-04	1.79E-04	
629640	4278360	1.53E-03	1.13E-03	1.25E-03	9.37E-04	4.76E-04	8.63E-04	1.69E-03	1.71E-03	2.52E-03	2.33E-03	7.93E-04	3.33E-04	4.18E-04	3.84E-04	3.35E-04	3.35E-04	2.52E-03	
629660	4278360	1.47E-03	1.09E-03	1.20E-03	9.01E-04	4.64E-04	8.32E-04	1.62E-03	1.64E-03	2.41E-03	2.23E-03	7.63E-04	3.25E-04	4.08E-04	3.75E-04	3.27E-04	3.26E-04	1.95E-04	
629680	4278380	1.42E-03	1.05E-03	1.15E-03	8.67E-04	4.52E-04	7.92E-04	1.56E-03	1.57E-03	2.31E-03	2.14E-03	7.35E-04	3.17E-04	3.95E-04	3.62E-04	3.15E-04	3.15E-04	1.90E-04	
629700	4278380	1.37E-03	1.01E-03	1.11E-03	8.34E-04	4.38E-04	7.72E-04	1.49E-03	1.51E-03	2.22E-03	2.05E-03	7.08E-04	3.09E-04	3.88E-04	3.56E-04	3.10E-04	3.10E-04	1.85E-04	
629720	4278380	1.32E-03	9.69E-04	1.06E-03	8.02E-04	4.26E-04	7.44E-04	1.43E-03	1.45E-03	2.12E-03	1.97E-03	6.82E-04	3.01E-04	3.77E-04	3.47E-04	3.02E-04	3.02E-04	1.80E-04	
629740	4278380	1.27E-03	9.32E-04	1.02E-03	7.72E-04	4.14E-04	7.17E-04	1.37E-03	1.39E-03	2.04E-03	1.88E-03	6.57E-04	2.93E-04	3.67E-04	3.37E-04	2.94E-04	2.93E-04	1.75E-04	
629760	4278400	1.21E-03	8.96E-04	9.86E-04	7.42E-04	4.02E-04	6.85E-04	1.31E-03	1.33E-03	1.95E-03	1.81E-03	6.32E-04	2.84E-04	3.56E-04	3.27E-04	2.85E-04	2.85E-04	1.70E-04	
629780	4278400	1.18E-03	8.63E-04	9.42E-04	7.15E-04	3.89E-04	6.66E-04	1.27E-03	1.28E-03	1.87E-03	1.74E-03	6.10E-04	2.75E-04	3.46E-04	3.18E-04	2.77E-04	2.76E-04	1.65E-04	
629800	4278400	1.14E-03	8.30E-04	9.05E-04	6.87E-04	3.76E-04	6.41E-04	1.22E-03	1.23E-03	1.80E-03	1.67E-03	5.87E-04	2.67E-04	3.35E-04	3.08E-04	2.68E-04	2.68E-04	1.60E-04	
629820	4278400	1.10E-03	7.99E-04	8.71E-04	6.62E-04	3.65E-04	6.18E-04	1.17E-03	1.18E-03	1.73E-03	1.60E-03	5.66E-04	2.59E-04	3.25E-04	2.99E-04	2.60E-04	2.60E-04	1.55E-04	
629840	4278420	1.05E-03	7.69E-04	8.38E-04	6.38E-04	3.56E-04	5.96E-04	1.13E-03	1.14E-03	1.66E-03	1.54E-03	5.45E-04	2.51E-04	3.15E-04	2.89E-04	2.52E-04	2.52E-04	1.50E-04	
629860	4278420	1.02E-03	7.39E-04	8.06E-04	6.10E-04	3.45E-04	5.70E-04	1.09E-03	1.10E-03	1.59E-03	1.49E-03	5.26E-04	2.43E-04	3.05E-04	2.80E-04	2.43E-04	2.43E-04	1.45E-04	
629880	4278420	1.00E-03	7.14E-04	7.81E-04	5.92E-04	3.35E-04	5.45E-04	1.05E-03	1.06E-03	1.54E-03	1.45E-03	5.07E-04	2.35E-04	2.95E-04	2.70E-04	2.35E-04	2.35E-04	1.40E-04	
629900	4278420	9.80E-04	6.90E-04	7.61E-04	5.74E-04	3.25E-04	5.20E-04	1.01E-03	1.02E-03	1.49E-03	1.40E-03	4.89E-04	2.27E-04	2.85E-04	2.60E-04	2.27E-04	2.27E-04	1.35E-04	
629920	4278420	9.60E-04	6.66E-04	7.36E-04	5.55E-04	3.15E-04	4.95E-04	9.75E-04	9.85E-04	1.46E-03	1.37E-03	4.71E-04	2.19E-04	2.73E-04	2.48E-04	2.19E-04	2.19E-04	1.30E-04	
629940	4278420	9.40E-04	6.42E-04	7.11E-04	5.36E-04	3.06E-04	4.76E-04	9.50E-04	9.60E-04	1.43E-03	1.34E-03	4.54E-04	2.11E-04	2.67E-04	2.43E-04	2.11E-04	2.11E-04	1.25E-04	
629960	4278420	9.20E-04	6.18E-04	6.86E-04	5.17E-04	2.97E-04	4.57E-04	9.25E-04	9.35E-04	1.40E-03	1.31E-03	4.37E-04	2.03E-04	2.63E-04	2.39E-04	2.03E-04	2.03E-04	1.20E-04	
629980	4278420	9.00E-04	5.94E-04	6.61E-04	4.98E-04	2.88E-04	4.38E-04	9.00E-04	9.10E-04	1.37E-03	1.28E-03	4.20E-04	1.95E-04	2.59E-04	2.35E-04	1.95E-04	1.95E-04	1.15E-04	
630000	4278420	8.80E-04	5.70E-04	6.37E-04	4.79E-04	2.79E-04	4.19E-04	8.75E-04	8.85E-04	1.34E-03	1.25E-03	4.03E-04	1.87E-04	2.53E-04	2.29E-04	1.87E-04	1.87E-04	1.10E-04	
630020	4278420	8.60E-04	5.46E-04	6.14E-04	4.60E-04	2.70E-04	4.00E-04	8.50E-04	8.60E-04	1.31E-03	1.22E-03	3.86E-04	1.79E-04	2.47E-04	2.23E-04	1.79E-04	1.79E-04	1.05E-04	
630040	4278420	8.40E-04	5.22E-04	5.91E-04	4.41E-04	2.61E-04	3.81E-04	8.25E-04	8.35E-04	1.28E-03	1.19E-03	3.69E-04	1.71E-04	2.41E-04	2.17E-04	1.71E-04	1.71E-04	1.00E-04	
630060	4278420	8.20E-04	4.97E-04	5.68E-04	4.22E-04	2.52E-04	3.62E-04	8.00E-04	8.10E-04	1.25E-03	1.16E-03	3.52E-04	1.63E-04	2.39E-04	2.13E-04	1.63E-04	1.63E-04	9.5E-05	
630080	4278420	8.00E-04	4.73E-04	5.45E-04	4.03E-04	2.43E-04	3.43E-04	7.75E-04	7.85E-04	1.22E-03	1.13E-03	3.35E-04	1.55E-04	2.37E-04	2.13E-04	1.55E-04	1.55E-04	9.0E-05	
630100	4278420	7.80E-04	4.49E-04	5.22E-04	3.84E-04	2.34E-04	3.24E-04	7.50E-04	7.60E-04	1.19E-03	1.10E-03	3.18E-04	1.47E-04	2.35E-04	2.13E-04	1.47E-04	1.47E-04	8.5E-05	
630120	4278420	7.60E-04	4.25E-04	5.00E-04	3.65E-04	2.25E-04	3.05E-04	7.25E-04	7.35E-04	1.16E-03	1.07E-03	3.01E-04	1.39E-04	2.33E-04	2.13E-04	1.39E-04	1.39E-04	8.0E-05	
630140	4278420	7.40E-04	4.01E-04	4.77E-04	3.46E-04	2.16E-04	2.86E-04	7.00E-04	7.10E-04	1.13E-03	1.04E-03	2.84E-04	1.31E-04	2.31E-04	2.13E-04	1.31E-04	1.31E-04	7.5E-05	
630160	4278420	7.20E-04	3.77E-04	4.54E-04	3.27E-04	2.07E-04	2.67E-04	6.75E-04	6.85E-04	1.10E-03	1.01E-03	2.67E-04	1.23E-04	2.29E-04	2.13E-04	1.23E-04	1.23E-04	7.0E-05	
630180	4278420	7.00E-04	3.53E-04	4.31E-04	3.08E-04	1.98E-04	2.48E-04	6.50E-04	6.60E-04	1.07E-03	9.8E-04	2.50E-04	1.15E-04	2.27E-04	2.13E-04	1.15E-04	1.15E-04	6.5E-05	
630200	4278420	6.80E-04	3.31E-04	4.09E-04	2.89E-04	1.89E-04	2.29E-04	6.25E-04	6.35E-04	1.04E-03	9.5E-04	2.33E-04	1.07E-04	2.25E-04	2.13E-04	1.07E-04	1.07E-04	6.0E-05	
630220	4278420	6.60E-04	3.09E-04	3.87E-04	2.70E-04	1.80E-04	2.10E-04	6.00E-04	6.10E-04	1.01E-03	9.2E-04	2.16E-04	9.9E-05	2.23E-04	2.13E-04	9.9E-05	9.9E-05	5.5E-05	
630240	4278420	6.40E-04	2.87E-04	3.65E-04	2.51E-04	1.71E-04	1.91E-04	5.75E-04	5.85E-04	9.8E-04	8.9E-04	2.00E-04	9.1E-05	2.21E-04	2.13E-04	9.1E-05	9.1E-05	5.0E-05	
630260	4278420	6.20E-04	2.65E-04	3.43E-04	2.32E-04	1.62E-04	1.72E-04	5.50E-04	5.60E-04	9.6E-04	8.7E-04	1.83E-04	8.3E-05	2.19E-04	2.13E-04	8.3E-05	8.3E-05	4.5E-05	
630280	4278420	6.00E-04	2.43E-04	3.21E-04	2.13E-04	1.53E-04	1.53E-04	5.25E-04	5.35E-04	9.4E-04	8.5E-04	1.66E-04	7.5E-05	2.17E-04	2.13E-04	7.5E-05	7.5E-05	4.0E-05	
630300	4278420	5.80E-04	2.21E-04	2.99E-04	1.94E-04	1.44E-04	1.34E-04	5.00E-04	5.10E-04	9.2E-04	8.3E-04	1.50E-04	6.7E-05	2.15E-04	2.13E-04	6.7E-05	6.7E-05	3.5E-05	
630320	4278420	5.60E-04	2.00E-04	2.77E-04	1.75E-04	1.35E-04	1.15E-04	4.75E-04	4.85E-04	9.0E-04	8.1E-04	1.34E-04							

Diesel/Particulate Matter concentration, C₅₀₀ (ug/m³)

Large data table with columns for X (UTM), Y (UTM), Year (2022-2038), and DPM (Max Year, H, W, Receptor Determination). The table contains multiple rows of data for various locations and years.

Diesel/Particulate Matter concentration, C₅₀₀ (ug/m³)

Table with columns for X (UTM), Y (UTM), Year (2022-2038), and HI (Max Year, HI, Receptor Determination). The table contains a grid of data points for various locations and years.

Diesel/Particulate Matter concentration, C ₅₀₀ [ug/m ³]		Innovation Park + CNU															HI					
X (UTM)	Y (UTM)	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	DPM	Max Year	HI	Receptor Determination
62852	427876	1.06	1.29	1.63	1.60	6.04	5.65	4.41	2.19	2.19	2.19	6.67	6.41	1.78	2.24	2.52	2.52	2.52	2.52	2.52	2.52	Residential
62849	427880	1.08	7.84	8.53	6.50	3.62	6.08	1.14	1.15	1.65	1.56	1.56	2.58	3.28	2.97	2.56	2.56	1.56	1.56	1.56	1.56	Residential
62846	427878	1.19	8.62	9.37	7.14	4.01	6.96	1.25	1.27	1.83	1.73	1.73	6.12	2.86	3.59	3.30	2.87	2.87	1.73	1.73	1.73	Residential
62848	427878	1.33	9.00	1.04	7.97	4.53	7.84	1.39	1.40	2.05	1.93	1.93	6.84	3.44	4.06	3.73	3.25	3.25	1.94	1.94	1.94	Residential
62851	427880	1.45	1.08	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	Residential
62852	427880	1.76	1.33	1.34	1.04	1.28	0.87	1.78	1.80	2.62	2.43	2.43	9.01	4.54	5.69	5.24	4.55	4.55	2.74	2.74	2.74	Residential
62854	427878	2.09	1.47	1.57	1.23	1.65	1.17	2.06	2.08	3.03	2.79	2.79	1.05	5.55	6.97	6.40	5.88	5.88	3.33	3.33	3.33	Residential
62842	427880	1.01	1.73	0.07	6.14	3.46	5.77	1.08	1.09	1.60	1.48	1.48	5.28	2.47	3.10	2.85	2.48	2.48	1.48	1.48	1.48	Residential
62844	427880	1.13	1.83	0.81	6.24	3.81	6.24	1.18	1.19	1.76	1.64	1.64	5.96	2.72	3.41	3.14	2.76	2.76	1.74	1.74	1.74	Residential
62846	427880	1.24	0.97	0.73	7.45	4.24	6.99	1.30	1.31	1.92	1.73	1.73	6.39	3.03	3.81	3.50	3.05	3.05	1.82	1.82	1.82	Residential
62848	427880	1.39	0.94	1.08	3.04	4.79	7.80	1.44	1.45	2.13	1.96	1.96	7.13	3.43	4.30	3.95	3.44	3.44	2.06	2.06	2.06	Residential
62850	427880	1.58	1.13	1.21	3.98	5.51	8.86	1.62	1.63	2.39	2.21	2.21	8.09	3.96	4.97	4.57	4.04	3.98	2.38	2.38	2.38	Residential
62852	427880	1.83	1.20	1.25	1.02	1.80	1.51	2.45	2.46	3.49	3.26	3.26	11.05	5.76	7.28	6.64	5.94	5.94	3.46	3.46	3.46	Residential
62849	427880	9.76	7.65	7.65	5.85	3.31	5.48	1.02	1.03	1.51	1.40	1.40	5.02	2.37	2.97	2.78	2.38	2.37	1.42	1.42	1.42	Residential
62842	427880	1.07	7.89	8.34	6.38	3.46	5.99	1.11	1.12	1.64	1.52	1.52	5.48	2.60	3.28	3.00	2.61	2.61	1.50	1.50	1.50	Residential
62844	427880	1.17	8.44	9.14	7.01	4.02	6.56	1.22	1.23	1.80	1.66	1.66	6.02	2.88	3.61	3.32	2.89	2.89	1.73	1.73	1.73	Residential
62846	427880	1.30	9.33	1.01	7.75	4.48	7.29	1.34	1.36	1.98	1.83	1.83	6.66	3.21	4.03	3.70	3.23	3.22	1.93	1.93	1.93	Residential
62848	427880	1.45	1.04	1.12	3.03	5.06	8.15	1.49	1.51	2.20	2.04	2.04	7.45	3.63	4.56	4.19	3.64	3.64	2.18	2.18	2.18	Residential
62850	427880	1.65	1.18	1.27	3.76	5.81	9.26	1.68	1.70	2.48	2.29	2.29	8.45	4.18	5.25	4.82	4.20	4.20	2.51	2.51	2.51	Residential
62852	427880	2.11	1.35	1.45	1.13	2.02	1.73	2.92	2.93	4.03	3.78	3.78	13.41	6.94	8.88	8.16	7.26	7.26	4.30	4.30	4.30	Residential
62849	427880	9.76	7.65	7.65	5.85	3.31	5.48	1.02	1.03	1.51	1.40	1.40	5.02	2.37	2.97	2.78	2.38	2.37	1.42	1.42	1.42	Residential
62842	427880	1.07	7.89	8.34	6.38	3.46	5.99	1.11	1.12	1.64	1.52	1.52	5.48	2.60	3.28	3.00	2.61	2.61	1.50	1.50	1.50	Residential
62844	427880	1.17	8.44	9.14	7.01	4.02	6.56	1.22	1.23	1.80	1.66	1.66	6.02	2.88	3.61	3.32	2.89	2.89	1.73	1.73	1.73	Residential
62846	427880	1.30	9.33	1.01	7.75	4.48	7.29	1.34	1.36	1.98	1.83	1.83	6.66	3.21	4.03	3.70	3.23	3.22	1.93	1.93	1.93	Residential
62848	427880	1.45	1.04	1.12	3.03	5.06	8.15	1.49	1.51	2.20	2.04	2.04	7.45	3.63	4.56	4.19	3.64	3.64	2.18	2.18	2.18	Residential
62850	427880	1.65	1.18	1.27	3.76	5.81	9.26	1.68	1.70	2.48	2.29	2.29	8.45	4.18	5.25	4.82	4.20	4.20	2.51	2.51	2.51	Residential
62852	427880	2.11	1.35	1.45	1.13	2.02	1.73	2.92	2.93	4.03	3.78	3.78	13.41	6.94	8.88	8.16	7.26	7.26	4.30	4.30	4.30	Residential
62849	427880	9.76	7.65	7.65	5.85	3.31	5.48	1.02	1.03	1.51	1.40	1.40	5.02	2.37	2.97	2.78	2.38	2.37	1.42	1.42	1.42	Residential
62842	427880	1.07	7.89	8.34	6.38	3.46	5.99	1.11	1.12	1.64	1.52	1.52	5.48	2.60	3.28	3.00	2.61	2.61	1.50	1.50	1.50	Residential
62844	427880	1.17	8.44	9.14	7.01	4.02	6.56	1.22	1.23	1.80	1.66	1.66	6.02	2.88	3.61	3.32	2.89	2.89	1.73	1.73	1.73	Residential
62846	427880	1.30	9.33	1.01	7.75	4.48	7.29	1.34	1.36	1.98	1.83	1.83	6.66	3.21	4.03	3.70	3.23	3.22	1.93	1.93	1.93	Residential
62848	427880	1.45	1.04	1.12	3.03	5.06	8.15	1.49	1.51	2.20	2.04	2.04	7.45	3.63	4.56	4.19	3.64	3.64	2.18	2.18	2.18	Residential
62850	427880	1.65	1.18	1.27	3.76	5.81	9.26	1.68	1.70	2.48	2.29	2.29	8.45	4.18	5.25	4.82	4.20	4.20	2.51	2.51	2.51	Residential
62852	427880	2.11	1.35	1.45	1.13	2.02	1.73	2.92	2.93	4.03	3.78	3.78	13.41	6.94	8.88	8.16	7.26	7.26	4.30	4.30	4.30	Residential
62849	427880	9.76	7.65	7.65	5.85	3.31	5.48	1.02	1.03	1.51	1.40	1.40	5.02	2.37	2.97	2.78	2.38	2.37	1.42	1.42	1.42	Residential
62842	427880	1.07	7.89	8.34	6.38	3.46	5.99	1.11	1.12	1.64	1.52	1.52	5.48	2.60	3.28	3.00	2.61	2.61	1.50	1.50	1.50	Residential
62844	427880	1.17	8.44	9.14	7.01	4.02	6.56	1.22	1.23	1.80	1.66	1.66	6.02	2.88	3.61	3.32	2.89	2.89	1.73	1.73	1.73	Residential
62846	427880	1.30	9.33	1.01	7.75	4.48	7.29	1.34	1.36	1.98	1.83	1.83	6.66	3.21	4.03	3.70	3.23	3.22	1.93	1.93	1.93	Residential
62848	427880	1.45	1.04	1.12	3.03	5.06	8.15	1.49	1.51	2.20	2.04	2.04	7.45	3.63	4.56	4.19	3.64	3.64	2.18	2.18	2.18	Residential
62850	427880	1.65	1.18	1.27	3.76	5.81	9.26	1.68	1.70	2.48	2.29	2.29	8.45	4.18	5.25	4.82	4.20	4.20	2.51	2.51	2.51	Residential
62852	427880	2.11	1.35	1.45	1.13	2.02	1.73	2.92	2.93	4.03	3.78	3.78	13.41	6.94	8.88	8.16	7.26	7.26	4.30	4.30	4.30	Residential
62849	427880	9.76	7.65	7.65	5.85	3.31	5.48	1.02	1.03	1.51	1.40	1.40	5.02	2.37	2.97	2.78	2.38	2.37	1.42	1.42	1.42	Residential
62842	427880	1.07	7.89	8.34	6.38	3.46	5.99	1.11	1.12	1.64	1.52	1.52	5.48	2.60	3.28	3.00	2.61	2.61	1.50	1.50	1.50	Residential
62844	427880	1.17	8.44	9.14	7.01	4.02	6.56	1.22	1.23	1.80	1.66	1.66	6.02	2.88	3.61	3.32	2.89	2.89	1.73	1.73	1.73	Residential
62846	427880	1.30	9.33	1.01	7.75	4.48	7.29	1.34	1.36	1.98	1.83	1.83	6.66	3.21	4.03	3.70	3.23	3.22	1.93	1.93	1.93	Residential
62848	427880	1.45	1.04	1.12	3.03	5.06	8.15	1.49	1.51	2.20	2.04	2.04	7.45	3.63	4.56	4.19	3.64	3.64	2.18	2.18	2.18	Residential
62850	427880	1.65	1.18	1.27	3.76	5.81	9.26	1.68	1.70	2.48	2.29	2.29	8.45	4.18	5.25	4.82	4.20	4.20	2.51	2.51	2.51	Residential
62852	427880	2.11	1.35	1.45	1.13	2.02	1.73	2.92	2.93	4.03	3.78	3.78	13.41	6.94	8.88	8.16	7.26	7.26	4.30	4.30	4.30	Residential
62849	427880	9.76	7.65	7.65	5.85	3.31	5.48	1.02	1.03	1.51	1.40	1.40	5.02	2.37	2.97	2.78	2.38	2.37	1.42	1.42	1.42	Residential
62842	427880	1.07	7.89	8.34	6.38	3.46	5.99	1.11	1.12	1.64	1.52	1.52	5.48	2.60	3.28	3.00	2.61	2.61	1.50	1.50	1.50	Residential
62844	427880	1.17	8.44	9.14	7.01	4.02	6.56	1.22	1.23	1.80	1.66	1.66	6.02	2.88	3.61	3.32	2.89	2.89	1.73	1.73	1.73	Residential
62846	427880	1.30	9.33	1.01	7.75	4.48	7.29	1.34	1.36	1.98	1.83	1.83	6.66	3.21	4.03	3.70	3.23	3.22	1.93	1.93	1.93	Residential
62848	427880	1.45	1.04	1.12	3.03	5.06	8.15	1.49	1.51	2.20	2.04	2.04	7.45	3.63	4.56	4.19	3.64	3.64	2.18	2.18	2.18	Residential
62850	427880	1.65	1.18	1.27	3.76	5.81	9.26	1.68	1.70	2.48	2.29	2.29	8.45	4.18	5.25	4.82	4.20	4.20	2.51	2.51	2.51	Residential
62852	427880	2.11	1.35	1.45	1.13	2.02	1.73	2.92	2.93	4.03	3.78	3.78	13.41	6.94	8.88	8.16	7.26	7.26	4.30	4.30	4.30	Residential
62849	427880	9.76	7.65	7.65	5.85	3.31	5.48	1.02	1.03	1.51	1.40	1.40	5.02	2.37	2.97	2.78	2.38	2.37	1.42	1.42	1.42	Residential
62842																						

Diesel/Particulate Matter concentration, C₅₀₀ (ug/m³)

X (UTM)	Y (UTM)	Innovation Park + CNU													HI						
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	DPM	Max Year	HI	Receptor Determination
628100	429000	5.51	4.41	4.21	4.31	4.11	4.21	4.31	4.11	4.21	4.31	4.11	4.21	4.31	4.11	4.21	4.31	8.60	2031	1.72	Residential
628200	429000	5.93	4.48	4.64	3.55	2.02	3.32	6.19	6.26	9.15	8.06	3.05	1.44	1.81	1.66	1.45	1.45	9.15	2031	1.83	Residential
628200	429000	6.36	4.52	4.96	3.80	2.18	3.58	6.22	6.99	9.74	8.64	3.27	1.56	1.67	1.80	1.47	1.47	9.74	2031	1.95	Residential
628200	429000	6.90	4.95	5.35	4.11	2.39	3.87	7.11	7.93	1.05	9.70	3.54	1.72	2.15	1.98	1.72	1.72	1.05	2031	2.08	Residential
628200	429000	7.43	5.13	5.41	4.11	2.46	3.95	7.54	8.37	1.12	10.16	3.65	1.81	2.24	2.07	1.81	1.81	1.12	2031	2.21	Residential
629700	429000	1.54	0.03	1.11	0.82	0.20	0.85	1.43	1.50	2.09	1.93	0.78	0.42	0.55	0.44	0.44	0.44	2.09	2031	4.18	Residential
629700	429000	1.44	0.91	1.05	0.83	0.59	0.83	1.35	1.37	1.97	1.82	0.79	0.42	0.55	0.44	0.44	0.44	1.97	2031	3.95	Residential
629700	429000	1.35	0.94	1.07	0.81	0.52	0.75	1.28	1.29	1.87	1.73	0.68	0.42	0.55	0.44	0.44	0.44	1.87	2031	3.74	Residential
629700	429000	1.28	0.87	1.01	0.74	0.49	0.71	1.23	1.24	1.80	1.67	0.65	0.42	0.55	0.44	0.44	0.44	1.80	2031	3.64	Residential
629700	429000	1.22	0.84	0.94	0.70	0.43	0.69	1.16	1.17	1.80	1.67	0.61	0.42	0.55	0.44	0.44	0.44	1.80	2031	3.40	Residential
628100	429000	4.88	3.25	3.44	2.69	1.50	2.52	4.73	4.78	7.00	6.47	2.30	1.07	1.34	1.20	1.07	1.07	7.00	2031	1.60	Residential
628100	429000	4.72	3.42	3.72	2.84	1.59	2.69	4.98	5.04	7.37	6.82	2.43	1.13	1.42	1.30	1.14	1.13	7.37	2031	1.67	Residential
628100	429000	5.09	3.62	4.01	3.08	1.68	2.85	5.27	5.32	7.95	7.32	2.57	1.20	1.50	1.38	1.20	1.20	7.95	2031	1.75	Residential
628100	429000	5.31	3.84	4.17	3.19	1.79	2.98	5.58	5.64	8.25	7.63	2.73	1.28	1.60	1.47	1.28	1.28	8.25	2031	1.82	Residential
628100	429000	5.65	4.09	4.44	3.39	1.92	3.18	5.93	5.99	8.76	8.10	2.91	1.37	1.72	1.58	1.37	1.37	8.76	2031	1.95	Residential
628200	429000	6.05	4.37	4.74	3.62	2.08	3.40	6.32	6.39	9.24	8.63	3.11	1.47	1.83	1.70	1.48	1.48	9.24	2031	2.07	Residential
628200	429000	6.51	4.69	5.07	3.89	2.24	3.60	6.76	6.84	9.98	9.38	3.34	1.60	2.01	1.85	1.61	1.61	9.98	2031	2.20	Residential
628200	429000	7.08	5.07	5.48	4.21	2.46	3.97	7.28	7.36	1.07	9.93	3.63	1.76	2.21	2.03	1.77	1.77	1.07	2031	2.35	Residential
629600	429000	1.78	1.21	1.37	1.01	0.73	1.01	1.62	1.63	2.36	2.22	0.88	0.42	0.55	0.44	0.44	0.44	2.36	2031	4.73	Residential
629600	429000	1.65	1.13	1.27	0.97	0.69	0.92	1.53	1.54	2.22	2.07	0.83	0.42	0.55	0.44	0.44	0.44	2.22	2031	4.44	Residential
629700	429000	1.55	1.03	1.11	0.87	0.60	0.81	1.46	1.45	2.03	1.93	0.82	0.42	0.55	0.44	0.44	0.44	2.03	2031	4.18	Residential
629700	429000	1.45	0.96	1.05	0.83	0.54	0.78	1.36	1.37	1.88	1.83	0.73	0.42	0.55	0.44	0.44	0.44	1.88	2031	3.96	Residential
629700	429000	1.36	0.97	1.11	0.84	0.52	0.78	1.28	1.30	1.88	1.73	0.69	0.42	0.55	0.44	0.44	0.44	1.88	2031	3.75	Residential
629700	429000	1.28	0.84	0.93	0.78	0.49	0.71	1.23	1.23	1.78	1.65	0.68	0.42	0.55	0.44	0.44	0.44	1.78	2031	3.56	Residential
629700	429000	1.21	0.80	0.90	0.74	0.46	0.67	1.16	1.17	1.70	1.58	0.65	0.42	0.55	0.44	0.44	0.44	1.70	2031	3.39	Residential
628100	429000	4.55	3.04	3.59	2.74	1.52	2.56	4.81	4.86	7.11	6.58	2.34	1.08	1.36	1.22	1.09	1.09	7.11	2031	1.42	Residential
628100	429000	4.80	3.48	3.79	2.86	1.61	2.70	5.07	5.13	7.50	6.94	2.47	1.15	1.44	1.32	1.15	1.15	7.50	2031	1.50	Residential
628100	429000	5.09	3.69	4.01	3.09	1.71	2.86	5.47	5.53	8.25	7.62	2.65	1.24	1.53	1.41	1.24	1.24	8.25	2031	1.58	Residential
628100	429000	5.41	4.01	4.35	3.25	1.82	3.04	5.69	5.75	8.41	7.78	2.82	1.30	1.63	1.50	1.31	1.31	8.41	2031	1.68	Residential
628100	429000	5.77	4.17	4.51	3.46	1.95	3.24	6.05	6.12	8.94	8.27	2.97	1.39	1.75	1.61	1.40	1.40	8.94	2031	1.78	Residential
628200	429000	6.18	4.64	4.84	3.76	2.11	3.47	6.45	6.52	9.54	8.82	3.18	1.51	1.89	1.74	1.51	1.51	9.54	2031	1.92	Residential
628200	429000	6.65	4.79	5.04	3.96	2.25	3.74	6.92	6.99	1.02	9.47	3.42	1.64	2.02	1.87	1.65	1.65	1.02	2031	2.05	Residential
628300	429000	6.83	4.68	5.04	3.74	2.15	3.49	6.45	6.52	9.74	9.11	3.30	1.55	1.93	1.78	1.55	1.55	9.74	2031	1.98	Residential
628300	429000	7.30	5.04	5.40	4.26	2.34	3.83	7.06	7.13	1.03	9.63	3.66	1.81	2.26	2.08	1.81	1.81	1.03	2031	2.11	Residential
628300	429000	7.87	5.41	5.77	4.56	2.53	4.07	7.50	7.57	1.07	9.93	3.83	1.91	2.36	2.18	1.91	1.91	1.07	2031	2.24	Residential
628300	429000	8.44	5.98	6.34	5.17	2.72	4.30	7.97	8.04	1.11	1.03	4.03	2.02	2.47	2.29	2.02	2.02	1.11	2031	2.37	Residential
629600	429000	1.93	1.30	1.36	1.09	0.78	1.07	1.74	1.75	2.53	2.38	0.92	0.42	0.55	0.44	0.44	0.44	2.53	2031	5.06	Residential
629600	429000	1.78	1.21	1.27	0.97	0.69	0.92	1.53	1.54	2.22	2.07	0.83	0.42	0.55	0.44	0.44	0.44	2.22	2031	4.74	Residential
629600	429000	1.66	1.13	1.27	0.97	0.69	0.92	1.53	1.54	2.22	2.07	0.83	0.42	0.55	0.44	0.44	0.44	2.22	2031	4.54	Residential
629600	429000	1.56	1.03	1.11	0.87	0.60	0.81	1.46	1.45	2.03	1.93	0.82	0.42	0.55	0.44	0.44	0.44	2.03	2031	4.35	Residential
629700	429000	1.45	0.96	1.05	0.83	0.54	0.78	1.36	1.37	1.88	1.83	0.73	0.42	0.55	0.44	0.44	0.44	1.88	2031	4.16	Residential
628100	429000	4.62	3.04	3.65	2.74	1.55	2.60	4.89	4.95	7.24	6.69	2.38	1.10	1.38	1.24	1.11	1.11	7.24	2031	1.45	Residential
628100	429000	4.89	3.55	3.88	2.94	1.64	2.75	5.17	5.22	7.64	7.07	2.52	1.17	1.46	1.34	1.17	1.17	7.64	2031	1.53	Residential
628100	429000	5.18	3.79	4.14	3.19	1.76	2.94	5.59	5.65	8.38	7.75	2.71	1.27	1.56	1.43	1.27	1.27	8.38	2031	1.62	Residential
628100	429000	5.51	3.96	4.34	3.31	1.86	3.10	5.80	5.87	8.58	7.94	2.84	1.32	1.66	1.53	1.33	1.33	8.58	2031	1.72	Residential
628100	429000	5.89	4.26	4.62	3.58	1.99	3.31	6.18	6.25	9.14	8.48	3.03	1.42	1.78	1.64	1.43	1.43	9.14	2031	1.83	Residential
628200	429000	6.37	4.56	4.91	3.80	2.17	3.59	6.52	6.59	9.38	8.74	3.21	1.51	1.89	1.74	1.51	1.51	9.38	2031	1.93	Residential
628200	429000	6.81	4.90	5.31	4.07	2.34	3.83	7.07	7.15	1.04	9.65	3.50	1.68	2.10	1.93	1.68	1.68	1.04	2031	2.06	Residential
628300	429000	7.29	5.04	5.40	3.96	2.25	3.74	6.92	7.00	1.03	9.93	3.66	1.81	2.26	2.08	1.81	1.81	1.03	2031	2.19	Residential
628300	429000	7.87	5.41	5.77	4.56	2.53	4.07	7.50	7.57	1.07	1.03	4.03	2.02	2.47	2.29	2.02	2.02	1.07	2031	2.32	Residential
629600	429000	1.93	1.30	1.36	1.09	0.78	1.07	1.74	1.75	2.53	2.38	0.92	0.42	0.55	0.44	0.44	0.44	2.53	2031	5.06	Residential
629600	429000	1.78	1.21	1.27	0.97	0.69	0.92	1.53	1.54	2.22	2.07	0.83	0.42	0.55	0.44	0.44	0.44	2.22	2031	4.74	Residential
629600	429000	1.66	1.13	1.27	0.97	0.69	0.92	1.53	1.54	2.22	2.07	0.83	0.42	0.55	0.44	0.44	0.44	2.22	2031	4.54	Residential
629600	429000	1.56	1.03	1.11	0.87	0.60	0.81	1.46	1.45	2.03	1.93	0.82	0.42	0.55	0.44	0.44	0.44	2.03	2031	4.35	Residential
629700	429000	1.45	0.96	1.05	0.83	0.54	0.78	1.36	1.37	1.88	1.83	0.73	0.42	0.55	0.44	0.44	0.44	1.88	2031	4.16	Residential
628100	429000	4.62	3.04	3.65	2.74	1.55	2.60	4.89	4.95	7.24	6.69	2.38	1.10	1.38	1.24	1.11	1.11	7.24	2031	1.45	Residential
628100	429000	4.89	3.55	3.88	2.94	1.64	2.75	5.17	5.22	7.64	7.07	2.52	1.17	1.46	1.34	1.17	1.17	7.64	2031	1.53	Residential
628100	429000	5.18	3.79	4.14	3.19	1.76	2.94	5.59	5.65	8.38	7.75	2.71	1.27	1.56	1.43	1.27	1.27	8.38	2031	1.62	Residential
628100	429000	5.51	3																		

Diesel/Particulate Matter concentration, C₅₀₀ (ug/m³)

Table with columns for X (UTM), Y (UTM), Year (2022-2038), and HI (Max Year, HI, Receptor Determination). The table contains a grid of data points for various locations and years.

Diesel Particulate Matter concentration, C₅₀₀ (ug/m³)

X (UTM)	Y (UTM)	Innovation Park + CNU																
		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
629080	4279860	2.11E-03	1.44E-03	1.50E-03	1.28E-03	8.39E-04	1.17E-03	1.83E-03	1.95E-03	2.81E-03	2.59E-03	1.06E-03	6.18E-04	7.76E-04	7.18E-04	6.22E-04	6.21E-04	3.71E-04
629100	4279860	2.11E-03	1.44E-03	1.51E-03	1.21E-03	8.37E-04	1.18E-03	1.95E-03	1.97E-03	2.83E-03	2.61E-03	1.07E-03	6.16E-04	7.73E-04	7.11E-04	6.15E-04	6.19E-04	3.70E-04
629120	4279860	2.12E-03	1.45E-03	1.52E-03	1.21E-03	8.34E-04	1.18E-03	1.96E-03	1.98E-03	2.85E-03	2.63E-03	1.07E-03	6.14E-04	7.71E-04	7.08E-04	6.17E-04	6.17E-04	3.68E-04
629140	4279860	2.12E-03	1.45E-03	1.52E-03	1.21E-03	8.31E-04	1.18E-03	1.97E-03	1.99E-03	2.86E-03	2.64E-03	1.07E-03	6.12E-04	7.67E-04	7.05E-04	6.14E-04	6.14E-04	3.67E-04
629160	4279860	2.12E-03	1.45E-03	1.53E-03	1.21E-03	8.28E-04	1.18E-03	1.97E-03	1.99E-03	2.87E-03	2.65E-03	1.07E-03	6.08E-04	7.63E-04	7.01E-04	6.11E-04	6.11E-04	3.65E-04
629180	4279860	2.11E-03	1.45E-03	1.53E-03	1.21E-03	8.24E-04	1.18E-03	1.97E-03	2.00E-03	2.88E-03	2.66E-03	1.07E-03	6.05E-04	7.59E-04	6.98E-04	6.08E-04	6.07E-04	3.63E-04
629200	4279860	2.11E-03	1.45E-03	1.53E-03	1.21E-03	8.18E-04	1.17E-03	1.97E-03	2.00E-03	2.88E-03	2.66E-03	1.07E-03	6.01E-04	7.54E-04	6.93E-04	6.04E-04	6.03E-04	3.60E-04
629220	4279860	2.10E-03	1.44E-03	1.52E-03	1.21E-03	8.13E-04	1.17E-03	1.97E-03	1.99E-03	2.88E-03	2.65E-03	1.06E-03	5.97E-04	7.49E-04	6.88E-04	6.00E-04	5.99E-04	3.58E-04
629240	4279860	2.09E-03	1.44E-03	1.52E-03	1.20E-03	8.06E-04	1.16E-03	1.97E-03	1.99E-03	2.87E-03	2.65E-03	1.06E-03	5.91E-04	7.41E-04	6.81E-04	5.94E-04	5.93E-04	3.54E-04
629260	4279860	2.07E-03	1.43E-03	1.51E-03	1.19E-03	7.97E-04	1.15E-03	1.96E-03	1.98E-03	2.86E-03	2.64E-03	1.05E-03	5.84E-04	7.33E-04	6.73E-04	5.87E-04	5.86E-04	3.50E-04
629280	4279860	2.05E-03	1.41E-03	1.50E-03	1.18E-03	7.86E-04	1.14E-03	1.94E-03	1.96E-03	2.84E-03	2.62E-03	1.04E-03	5.76E-04	7.22E-04	6.64E-04	5.78E-04	5.78E-04	3.45E-04
629300	4279860	2.03E-03	1.40E-03	1.48E-03	1.17E-03	7.75E-04	1.13E-03	1.93E-03	1.95E-03	2.82E-03	2.60E-03	1.03E-03	5.67E-04	7.12E-04	6.54E-04	5.70E-04	5.69E-04	3.40E-04
629320	4279860	2.00E-03	1.38E-03	1.47E-03	1.15E-03	7.63E-04	1.12E-03	1.91E-03	1.93E-03	2.79E-03	2.57E-03	1.02E-03	5.58E-04	7.00E-04	6.42E-04	5.61E-04	5.60E-04	3.35E-04
629340	4279860	1.97E-03	1.37E-03	1.45E-03	1.14E-03	7.50E-04	1.10E-03	1.89E-03	1.91E-03	2.76E-03	2.54E-03	1.00E-03	5.48E-04	6.88E-04	6.32E-04	5.51E-04	5.51E-04	3.29E-04
629360	4279860	1.92E-03	1.35E-03	1.43E-03	1.08E-03	7.46E-04	1.06E-03	1.70E-03	1.72E-03	2.70E-03	2.47E-03	9.62E-04	5.83E-04	7.32E-04	6.72E-04	5.86E-04	5.85E-04	3.50E-04
629380	4279860	1.94E-03	1.36E-03	1.44E-03	1.09E-03	7.93E-04	1.07E-03	1.73E-03	1.74E-03	2.70E-03	2.48E-03	9.73E-04	5.87E-04	7.37E-04	6.77E-04	5.90E-04	5.90E-04	3.52E-04
629400	4279860	1.96E-03	1.32E-03	1.37E-03	1.11E-03	7.97E-04	1.09E-03	1.75E-03	1.77E-03	2.74E-03	2.54E-03	9.83E-04	5.90E-04	7.41E-04	6.80E-04	5.93E-04	5.93E-04	3.54E-04
629420	4279860	1.97E-03	1.33E-03	1.39E-03	1.12E-03	8.01E-04	1.10E-03	1.77E-03	1.79E-03	2.75E-03	2.57E-03	9.93E-04	5.93E-04	7.44E-04	6.84E-04	5.96E-04	5.96E-04	3.57E-04
629000	4279880	1.99E-03	1.34E-03	1.40E-03	1.13E-03	8.04E-04	1.10E-03	1.79E-03	1.81E-03	2.76E-03	2.60E-03	1.00E-03	5.95E-04	7.46E-04	6.86E-04	5.98E-04	5.97E-04	3.56E-04
629020	4279880	2.00E-03	1.36E-03	1.42E-03	1.14E-03	8.06E-04	1.11E-03	1.82E-03	1.83E-03	2.76E-03	2.61E-03	1.01E-03	5.96E-04	7.47E-04	6.87E-04	5.99E-04	5.98E-04	3.57E-04
629040	4279880	2.01E-03	1.37E-03	1.43E-03	1.15E-03	8.07E-04	1.12E-03	1.83E-03	1.85E-03	2.76E-03	2.62E-03	1.02E-03	5.96E-04	7.48E-04	6.87E-04	5.99E-04	5.98E-04	3.57E-04
629060	4279880	2.02E-03	1.38E-03	1.44E-03	1.15E-03	8.07E-04	1.13E-03	1.85E-03	1.87E-03	2.76E-03	2.63E-03	1.02E-03	5.95E-04	7.47E-04	6.86E-04	5.97E-04	5.97E-04	3.57E-04
629080	4279880	2.03E-03	1.38E-03	1.45E-03	1.16E-03	8.06E-04	1.13E-03	1.87E-03	1.89E-03	2.72E-03	2.50E-03	1.02E-03	5.94E-04	7.45E-04	6.85E-04	5.97E-04	5.96E-04	3.56E-04
629100	4279880	2.04E-03	1.39E-03	1.46E-03	1.16E-03	8.04E-04	1.13E-03	1.88E-03	1.90E-03	2.74E-03	2.52E-03	1.03E-03	5.93E-04	7.43E-04	6.82E-04	5.95E-04	5.94E-04	3.55E-04
629120	4279880	2.04E-03	1.39E-03	1.47E-03	1.17E-03	8.02E-04	1.14E-03	1.89E-03	1.91E-03	2.75E-03	2.54E-03	1.03E-03	5.90E-04	7.41E-04	6.80E-04	5.93E-04	5.93E-04	3.54E-04
629140	4279880	2.04E-03	1.40E-03	1.47E-03	1.17E-03	8.00E-04	1.14E-03	1.90E-03	1.92E-03	2.77E-03	2.55E-03	1.03E-03	5.88E-04	7.38E-04	6.78E-04	5.91E-04	5.90E-04	3.53E-04
629160	4279880	2.04E-03	1.40E-03	1.48E-03	1.17E-03	7.98E-04	1.14E-03	1.91E-03	1.93E-03	2.77E-03	2.56E-03	1.03E-03	5.85E-04	7.34E-04	6.75E-04	5.88E-04	5.87E-04	3.51E-04
629180	4279880	2.04E-03	1.40E-03	1.48E-03	1.17E-03	7.95E-04	1.14E-03	1.91E-03	1.93E-03	2.78E-03	2.57E-03	1.03E-03	5.83E-04	7.30E-04	6.71E-04	5.85E-04	5.84E-04	3.49E-04
629200	4279880	2.03E-03	1.40E-03	1.48E-03	1.17E-03	7.89E-04	1.13E-03	1.91E-03	1.93E-03	2.79E-03	2.57E-03	1.03E-03	5.79E-04	7.26E-04	6.67E-04	5.82E-04	5.81E-04	3.47E-04
629220	4279880	2.03E-03	1.40E-03	1.47E-03	1.17E-03	7.84E-04	1.13E-03	1.91E-03	1.93E-03	2.79E-03	2.57E-03	1.03E-03	5.75E-04	7.21E-04	6.62E-04	5.77E-04	5.77E-04	3.45E-04
629240	4279880	2.02E-03	1.39E-03	1.47E-03	1.16E-03	7.77E-04	1.12E-03	1.90E-03	1.92E-03	2.78E-03	2.57E-03	1.02E-03	5.70E-04	7.15E-04	6.57E-04	5.72E-04	5.72E-04	3.42E-04
629260	4279880	2.02E-03	1.38E-03	1.46E-03	1.16E-03	7.69E-04	1.12E-03	1.90E-03	1.92E-03	2.77E-03	2.56E-03	1.02E-03	5.63E-04	7.07E-04	6.49E-04	5.65E-04	5.65E-04	3.38E-04
629280	4279880	2.02E-03	1.37E-03	1.45E-03	1.15E-03	7.60E-04	1.11E-03	1.88E-03	1.90E-03	2.75E-03	2.54E-03	1.01E-03	5.56E-04	6.98E-04	6.41E-04	5.59E-04	5.58E-04	3.34E-04
629300	4279880	1.96E-03	1.36E-03	1.44E-03	1.10E-03	7.50E-04	1.10E-03	1.87E-03	1.89E-03	2.73E-03	2.52E-03	9.96E-04	5.48E-04	6.88E-04	6.32E-04	5.51E-04	5.50E-04	3.29E-04
629320	4279880	1.94E-03	1.34E-03	1.43E-03	1.11E-03	7.39E-04	1.08E-03	1.85E-03	1.87E-03	2.71E-03	2.50E-03	9.85E-04	5.40E-04	6.78E-04	6.23E-04	5.43E-04	5.42E-04	3.24E-04
629340	4279880	1.85E-03	1.24E-03	1.48E-03	1.10E-03	7.15E-04	1.04E-03	1.84E-03	1.86E-03	2.70E-03	2.49E-03	9.77E-04	5.30E-04	6.70E-04	6.15E-04	5.35E-04	5.34E-04	3.18E-04
629360	4279900	1.87E-03	1.26E-03	1.31E-03	1.05E-03	7.61E-04	1.04E-03	1.67E-03	1.68E-03	2.42E-03	2.23E-03	9.38E-04	5.64E-04	7.08E-04	6.50E-04	5.67E-04	5.66E-04	3.38E-04
629380	4279900	1.88E-03	1.27E-03	1.32E-03	1.07E-03	7.65E-04	1.05E-03	1.69E-03	1.71E-03	2.45E-03	2.26E-03	9.47E-04	5.67E-04	7.11E-04	6.53E-04	5.69E-04	5.69E-04	3.40E-04
629400	4279900	1.90E-03	1.28E-03	1.34E-03	1.08E-03	7.70E-04	1.06E-03	1.71E-03	1.73E-03	2.49E-03	2.29E-03	9.57E-04	5.69E-04	7.14E-04	6.56E-04	5.72E-04	5.71E-04	3.41E-04
629000	4279900	1.92E-03	1.30E-03	1.35E-03	1.09E-03	7.75E-04	1.06E-03	1.73E-03	1.75E-03	2.52E-03	2.32E-03	9.65E-04	5.71E-04	7.17E-04	6.59E-04	5.74E-04	5.73E-04	3.43E-04
629020	4279900	1.93E-03	1.31E-03	1.37E-03	1.10E-03	7.75E-04	1.07E-03	1.75E-03	1.77E-03	2.55E-03	2.35E-03	9.72E-04	5.72E-04	7.18E-04	6.59E-04	5.75E-04	5.74E-04	3.43E-04
629040	4279900	1.94E-03	1.32E-03	1.38E-03	1.11E-03	7.75E-04	1.08E-03	1.77E-03	1.79E-03	2.58E-03	2.37E-03	9.78E-04	5.73E-04	7.18E-04	6.60E-04	5.75E-04	5.74E-04	3.43E-04
629060	4279900	1.95E-03	1.33E-03	1.39E-03	1.11E-03	7.76E-04	1.08E-03	1.79E-03	1.81E-03	2.60E-03	2.40E-03	9.84E-04	5.74E-04	7.18E-04	6.60E-04	5.75E-04	5.74E-04	3.43E-04
629080	4279900	1.96E-03	1.33E-03	1.40E-03	1.12E-03	7.75E-04	1.09E-03	1.80E-03	1.82E-03	2.63E-03	2.42E-03	9.89E-04	5.74E-04	7.17E-04	6.59E-04	5.74E-04	5.73E-04	3.43E-04
629100	4279900	1.96E-03	1.34E-03	1.41E-03	1.12E-03</													

Appendix C4

Air Quality Mitigation Plan

Draft

INNOVATION PARK PLANNED UNIT DEVELOPMENT

Air Quality Mitigation Plan

For submittal to
Sacramento Metropolitan Air Quality Management District

September 2021



Draft

INNOVATION PARK PLANNED UNIT DEVELOPMENT

Air Quality Mitigation Plan

Prepared for
Sacramento Metropolitan Air Quality Management District

September 2021

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Introduction

The Sacramento Metropolitan Air Quality Management District (SMAQMD) has developed guidance to mitigate operational emissions for projects subject to the California Environmental Quality Act (CEQA).¹ SMAQMD's guidance recommends that project applicants prepare an Air Quality Mitigation Plan (AQMP) for all projects that exceed SMAQMD's operational significance thresholds of 65 pounds per day for oxides of nitrogen (NO_x), 65 pounds per day for reactive organic gases (ROG), 80 pounds per day for particulate matter less than or equal to 10 microns (PM₁₀), or 82 pounds per day for PM_{2.5}.

Operational emissions of NO_x, ROG, and PM₁₀ from the Innovation Park Planned Unit Development (NAR PUD), including the proposed California Northstate University (CNU) Medical Center, are greater than the applicable SMAQMD significance thresholds identified above. Therefore, an AQMP has been prepared for the project.

Methodology

Total daily emissions of ozone precursors (ROG and NO_x) from the project's mobile sources were estimated, using CalEEMod default settings.

A reduction target is calculated based on the project's consistency with the current State Implementation Plan (SIP). For projects included in the current SIP, the SMAQMD recommends a 15 percent reduction of NO_x and ROG mobile source emissions. For projects not considered in the SIP, the SMAQMD recommends a 35 percent reduction NO_x and ROG mobile source emissions. The Natomas Arena Reuse Planned Unit Development is in an area covered with the SIP and therefore is consistent with the SIP; therefore, a 15 percent reduction applies. The SMAQMD has determined that this reduction in emissions will satisfy the "all feasible measures" mitigation requirement under CEQA. The reduction target is in tons per year.

An AQMP is considered to meet the reduction target when both of the following equations are true:

$$NO_x \text{ Reduction Target} \leq \text{Unmitigated Project } NO_x - \text{Mitigated Project } NO_x$$

$$ROG \text{ Reduction Target} \leq \text{Unmitigated Project } ROG - \text{Mitigated Project } ROG$$

The SMAQMD guidance recognizes that site-specific traffic information is more relevant than information generated from a statewide model (identified as prerequisite *TS: Traffic Study* in the SMAQMD guidance). Traffic studies typically include calculation of internal trip capture, mix of uses, distance to job centers, and sometimes walking and cycling information. Rather than use CalEEMod to estimate the impact of these features on a project, the information within the traffic study is used to create a mitigated project run. The quantity of mitigated emissions is compared to the reduction target, as described above.

¹ Sacramento Metropolitan Air Quality Management District (SMAQMD), 2017. Recommended Guidance for Land Use Emission Reductions, Version 4 (for Operational Emissions). Accessed November 2019.

Reduction Target

Although the proposed project would be operationally significant for PM₁₀, no specific reduction standards have been determined at this time to be considered feasible mitigation. Therefore, this AQMP will implement all feasible mitigation for the project to reduce PM₁₀ emissions.

The unmitigated project was modeled using CalEEMod 2020.4.0, and NO_x and ROG emissions are calculated. The unmitigated emissions have been estimated using CalEEMod default values. A reduction goal of 15 percent below an unmitigated scenario was used. This reduction target is then applied to the NO_x and ROG emissions to determine the reduction target in tons per year. The unmitigated project emissions, target reduction percentage, and reduction target is presented in Table 1.

**TABLE 1.
DETERMINATION OF REDUCTION TARGET**

Source	Pollutant	Unmitigated Emissions, tons/year	Target Reduction Percentage	Reduction Target, tons/year
Mobile sources	NO _x	37.0	15%	5.6
	ROG	34.6	15%	5.2

Mitigation

The prerequisite *TS: Traffic Study* (as identified in the SMAQMD guidance) was applied to the proposed project. The CalEEMod default estimate of total VMT was revised to be consistent with the project-specific VMT estimates. Within CalEEMod, VMT estimates for each land use type are the product of trip generation rates times trip lengths. CalEEMod's default trip lengths were adjusted so that its VMT matched the project specific estimates.

The VMT estimates for the proposed project were modeled using the Sacramento Area Council of Government's (SACOG) SACSIM travel demand model. SACSIM accounts for several factors that reduce project VMT. These include:

- job accessibility (within a 30-minute drive or transit travel time);
- proximity to transit (distance to nearest light rail or bus station, in miles);
- availability of Class 1 and 2 bike lanes within and adjacent to the project;
- parameters that effect walking, including sidewalks and pedestrian paths and distances to transit, commercial, and related destinations;
- job and housing density (dwelling units and jobs per acre); and
- jobs and housing mix.

Air Quality Mitigation Plan Effectiveness

As shown in Table 2, the proposed project would result in a reduction of 18.9 tons per year of NO_x and 16.1 tons per year of ROG emissions after mitigation. As calculated above, the reduction target is 5.6 tons per year of NO_x and 5.2 tons per year of ROG. Therefore, the proposed project's operational emissions would achieve the recommended 15 percent emission reduction guideline for ROG and would achieve the recommended 15 percent emission reduction guideline for NO_x established by the SMAQMD and would be consistent with the SIP.

TABLE 2.
AIR QUALITY MITIGATION PLAN EFFECTIVENESS

Condition	ROG, tons/year	NO_x, tons/year
Unmitigated	34.6	37.0
Mitigated	18.5	18.1
Reduction, Unmitigated minus Mitigated	16.1	18.9
Reduction Target	5.2	5.6
Meet Reduction Target?	Yes	Yes