

Appendix A

Air Quality

Northgate existng - Sacramento Valley Air Basin, Summer

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

**Northgate existng
Sacramento Valley Air Basin, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Electronic Superstore	156.01	1000sqft	17.55	156,013.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	65
Climate Zone	6			Operational Year	2024
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 -

Land Use - p.s info

Vehicle Trips -

Energy Use -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	156,010.00	156,013.00
tblLandUse	LotAcreage	3.58	17.55

2.0 Emissions Summary

Northgate existng - Sacramento Valley Air Basin, 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					
2022	3.7011	38.8841	29.6708	0.0636	19.8049	1.6358	21.4183	10.1417	1.5049	11.6260	0.0000	6,168.809 1	6,168.809 1	1.9488	0.0972	6,218.745 4
2023	1.7837	15.6727	18.0671	0.0360	0.5869	0.7095	1.2964	0.1597	0.6677	0.8274	0.0000	3,501.224 1	3,501.224 1	0.6228	0.0934	3,544.633 2
2024	72.5259	14.7073	17.8706	0.0358	0.5869	0.6229	1.2098	0.1597	0.5860	0.7457	0.0000	3,478.496 6	3,478.496 6	0.7168	0.0913	3,521.151 6
Maximum	72.5259	38.8841	29.6708	0.0636	19.8049	1.6358	21.4183	10.1417	1.5049	11.6260	0.0000	6,168.809 1	6,168.809 1	1.9488	0.0972	6,218.745 4

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	3.7011	38.8841	29.6708	0.0636	19.8049	1.6358	21.4183	10.1417	1.5049	11.6260	0.0000	6,168.809 1	6,168.809 1	1.9488	0.0972	6,218.745 4
2023	1.7837	15.6727	18.0671	0.0360	0.5869	0.7095	1.2964	0.1597	0.6677	0.8274	0.0000	3,501.224 1	3,501.224 1	0.6228	0.0934	3,544.633 2
2024	72.5259	14.7073	17.8706	0.0358	0.5869	0.6229	1.2098	0.1597	0.5860	0.7457	0.0000	3,478.496 6	3,478.496 6	0.7168	0.0913	3,521.151 6
Maximum	72.5259	38.8841	29.6708	0.0636	19.8049	1.6358	21.4183	10.1417	1.5049	11.6260	0.0000	6,168.809 1	6,168.809 1	1.9488	0.0972	6,218.745 4

Northgate existng - Sacramento Valley Air Basin, 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	3.7364	1.4000e-004	0.0159	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0341	0.0341	9.0000e-005		0.0364
Energy	0.0297	0.2703	0.2270	1.6200e-003		0.0205	0.0205		0.0205	0.0205		324.3461	324.3461	6.2200e-003	5.9500e-003	326.2736
Mobile	23.8610	17.3560	117.7853	0.1963	18.0768	0.1813	18.2582	4.8237	0.1698	4.9935		20,006.1805	20,006.1805	1.7382	1.2618	20,425.6627
Total	27.6271	17.6264	118.0283	0.1979	18.0768	0.2019	18.2788	4.8237	0.1904	5.0141		20,330.5608	20,330.5608	1.7445	1.2678	20,751.9726

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	3.7364	1.4000e-004	0.0159	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0341	0.0341	9.0000e-005		0.0364
Energy	0.0297	0.2703	0.2270	1.6200e-003		0.0205	0.0205		0.0205	0.0205		324.3461	324.3461	6.2200e-003	5.9500e-003	326.2736
Mobile	23.8610	17.3560	117.7853	0.1963	18.0768	0.1813	18.2582	4.8237	0.1698	4.9935		20,006.1805	20,006.1805	1.7382	1.2618	20,425.6627
Total	27.6271	17.6264	118.0283	0.1979	18.0768	0.2019	18.2788	4.8237	0.1904	5.0141		20,330.5608	20,330.5608	1.7445	1.2678	20,751.9726

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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	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	10/1/2022	10/28/2022	5	20	
2	Site Preparation	Site Preparation	10/29/2022	11/11/2022	5	10	
3	Grading	Grading	11/12/2022	12/23/2022	5	30	
4	Building Construction	Building Construction	12/24/2022	2/16/2024	5	300	
5	Paving	Paving	2/17/2024	3/15/2024	5	20	
6	Architectural Coating	Architectural Coating	3/16/2024	4/12/2024	5	20	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 90

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 234,020; Non-Residential Outdoor: 78,007; 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

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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	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	50.00	26.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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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

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0572	0.0304	0.4720	1.1700e-003	0.1232	6.7000e-004	0.1239	0.0327	6.2000e-004	0.0333		118.0490	118.0490	3.4400e-003	3.0600e-003	119.0471
Total	0.0572	0.0304	0.4720	1.1700e-003	0.1232	6.7000e-004	0.1239	0.0327	6.2000e-004	0.0333		118.0490	118.0490	3.4400e-003	3.0600e-003	119.0471

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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					
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0572	0.0304	0.4720	1.1700e-003	0.1232	6.7000e-004	0.1239	0.0327	6.2000e-004	0.0333		118.0490	118.0490	3.4400e-003	3.0600e-003	119.0471
Total	0.0572	0.0304	0.4720	1.1700e-003	0.1232	6.7000e-004	0.1239	0.0327	6.2000e-004	0.0333		118.0490	118.0490	3.4400e-003	3.0600e-003	119.0471

Northgate existng - Sacramento Valley Air Basin, Summer

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0687	0.0365	0.5663	1.4000e-003	0.1479	8.0000e-004	0.1487	0.0392	7.4000e-004	0.0400		141.6587	141.6587	4.1300e-003	3.6700e-003	142.8566
Total	0.0687	0.0365	0.5663	1.4000e-003	0.1479	8.0000e-004	0.1487	0.0392	7.4000e-004	0.0400		141.6587	141.6587	4.1300e-003	3.6700e-003	142.8566

Northgate existng - Sacramento Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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					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	0.0000	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	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	0.0687	0.0365	0.5663	1.4000e-003	0.1479	8.0000e-004	0.1487	0.0392	7.4000e-004	0.0400		141.6587	141.6587	4.1300e-003	3.6700e-003	142.8566
Total	0.0687	0.0365	0.5663	1.4000e-003	0.1479	8.0000e-004	0.1487	0.0392	7.4000e-004	0.0400		141.6587	141.6587	4.1300e-003	3.6700e-003	142.8566

Northgate existng - Sacramento Valley Air Basin, 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 On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	9.2036	1.6349	10.8385	3.6538	1.5041	5.1579		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	0.0000	0.0000	0.0000	0.0000	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	0.0763	0.0406	0.6293	1.5600e-003	0.1643	8.9000e-004	0.1652	0.0436	8.2000e-004	0.0444		157.3986	157.3986	4.5900e-003	4.0800e-003	158.7295
Total	0.0763	0.0406	0.6293	1.5600e-003	0.1643	8.9000e-004	0.1652	0.0436	8.2000e-004	0.0444		157.3986	157.3986	4.5900e-003	4.0800e-003	158.7295

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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 - 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					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	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	9.2036	1.6349	10.8385	3.6538	1.5041	5.1579	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	0.0000	0.0000	0.0000	0.0000	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	0.0763	0.0406	0.6293	1.5600e-003	0.1643	8.9000e-004	0.1652	0.0436	8.2000e-004	0.0444		157.3986	157.3986	4.5900e-003	4.0800e-003	158.7295
Total	0.0763	0.0406	0.6293	1.5600e-003	0.1643	8.9000e-004	0.1652	0.0436	8.2000e-004	0.0444		157.3986	157.3986	4.5900e-003	4.0800e-003	158.7295

Northgate existng - Sacramento Valley Air Basin, Summer

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

3.5 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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0564	1.4207	0.4290	5.5300e-003	0.1761	0.0147	0.1908	0.0507	0.0141	0.0648		585.3926	585.3926	5.7800e-003	0.0870	611.4580
Worker	0.1908	0.1015	1.5732	3.8900e-003	0.4107	2.2300e-003	0.4130	0.1090	2.0500e-003	0.1110		393.4965	393.4965	0.0115	0.0102	396.8238
Total	0.2471	1.5222	2.0021	9.4200e-003	0.5869	0.0169	0.6038	0.1597	0.0161	0.1758		978.8891	978.8891	0.0173	0.0972	1,008.2818

Northgate existng - Sacramento Valley Air Basin, Summer

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

3.5 Building Construction - 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					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	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	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0564	1.4207	0.4290	5.5300e-003	0.1761	0.0147	0.1908	0.0507	0.0141	0.0648		585.3926	585.3926	5.7800e-003	0.0870	611.4580
Worker	0.1908	0.1015	1.5732	3.8900e-003	0.4107	2.2300e-003	0.4130	0.1090	2.0500e-003	0.1110		393.4965	393.4965	0.0115	0.0102	396.8238
Total	0.2471	1.5222	2.0021	9.4200e-003	0.5869	0.0169	0.6038	0.1597	0.0161	0.1758		978.8891	978.8891	0.0173	0.0972	1,008.2818

Northgate existng - Sacramento Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	0.0342	1.1983	0.3790	5.3300e-003	0.1761	7.6800e-003	0.1838	0.0507	7.3400e-003	0.0581		565.1455	565.1455	4.6700e-003	0.0840	590.2922
Worker	0.1767	0.0895	1.4441	3.7700e-003	0.4107	2.1100e-003	0.4129	0.1090	1.9400e-003	0.1109		380.8687	380.8687	0.0103	9.4300e-003	383.9350
Total	0.2109	1.2878	1.8231	9.1000e-003	0.5869	9.7900e-003	0.5967	0.1597	9.2800e-003	0.1689		946.0142	946.0142	0.0150	0.0934	974.2271

Northgate existng - Sacramento Valley Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	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	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	0.0342	1.1983	0.3790	5.3300e-003	0.1761	7.6800e-003	0.1838	0.0507	7.3400e-003	0.0581		565.1455	565.1455	4.6700e-003	0.0840	590.2922
Worker	0.1767	0.0895	1.4441	3.7700e-003	0.4107	2.1100e-003	0.4129	0.1090	1.9400e-003	0.1109		380.8687	380.8687	0.0103	9.4300e-003	383.9350
Total	0.2109	1.2878	1.8231	9.1000e-003	0.5869	9.7900e-003	0.5967	0.1597	9.2800e-003	0.1689		946.0142	946.0142	0.0150	0.0934	974.2271

Northgate existng - Sacramento Valley Air Basin, 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	0.0329	1.1841	0.3683	5.2300e-003	0.1761	7.6200e-003	0.1837	0.0507	7.2900e-003	0.0580		554.5225	554.5225	4.5200e-003	0.0825	579.2285
Worker	0.1644	0.0795	1.3355	3.6400e-003	0.4107	2.0000e-003	0.4127	0.1090	1.8400e-003	0.1108		368.2752	368.2752	9.2800e-003	8.7500e-003	371.1154
Total	0.1972	1.2635	1.7037	8.8700e-003	0.5869	9.6200e-003	0.5965	0.1597	9.1300e-003	0.1688		922.7977	922.7977	0.0138	0.0913	950.3439

Northgate existng - Sacramento Valley Air Basin, 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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	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	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	0.0329	1.1841	0.3683	5.2300e-003	0.1761	7.6200e-003	0.1837	0.0507	7.2900e-003	0.0580		554.5225	554.5225	4.5200e-003	0.0825	579.2285
Worker	0.1644	0.0795	1.3355	3.6400e-003	0.4107	2.0000e-003	0.4127	0.1090	1.8400e-003	0.1108		368.2752	368.2752	9.2800e-003	8.7500e-003	371.1154
Total	0.1972	1.2635	1.7037	8.8700e-003	0.5869	9.6200e-003	0.5965	0.1597	9.1300e-003	0.1688		922.7977	922.7977	0.0138	0.0913	950.3439

Northgate existng - Sacramento Valley Air Basin, Summer

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

3.6 Paving - 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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0493	0.0238	0.4007	1.0900e-003	0.1232	6.0000e-004	0.1238	0.0327	5.5000e-004	0.0332		110.4826	110.4826	2.7800e-003	2.6300e-003	111.3346
Total	0.0493	0.0238	0.4007	1.0900e-003	0.1232	6.0000e-004	0.1238	0.0327	5.5000e-004	0.0332		110.4826	110.4826	2.7800e-003	2.6300e-003	111.3346

Northgate existng - Sacramento Valley Air Basin, Summer

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

3.6 Paving - 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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0493	0.0238	0.4007	1.0900e-003	0.1232	6.0000e-004	0.1238	0.0327	5.5000e-004	0.0332		110.4826	110.4826	2.7800e-003	2.6300e-003	111.3346
Total	0.0493	0.0238	0.4007	1.0900e-003	0.1232	6.0000e-004	0.1238	0.0327	5.5000e-004	0.0332		110.4826	110.4826	2.7800e-003	2.6300e-003	111.3346

Northgate existng - Sacramento Valley Air Basin, Summer

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

3.7 Architectural Coating - 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					
Archit. Coating	72.3123					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	72.4930	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0329	0.0159	0.2671	7.3000e-004	0.0822	4.0000e-004	0.0826	0.0218	3.7000e-004	0.0222		73.6550	73.6550	1.8600e-003	1.7500e-003	74.2231
Total	0.0329	0.0159	0.2671	7.3000e-004	0.0822	4.0000e-004	0.0826	0.0218	3.7000e-004	0.0222		73.6550	73.6550	1.8600e-003	1.7500e-003	74.2231

Northgate existng - Sacramento Valley Air Basin, Summer

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

3.7 Architectural Coating - 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					
Archit. Coating	72.3123					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	72.4930	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0329	0.0159	0.2671	7.3000e-004	0.0822	4.0000e-004	0.0826	0.0218	3.7000e-004	0.0222		73.6550	73.6550	1.8600e-003	1.7500e-003	74.2231
Total	0.0329	0.0159	0.2671	7.3000e-004	0.0822	4.0000e-004	0.0826	0.0218	3.7000e-004	0.0222		73.6550	73.6550	1.8600e-003	1.7500e-003	74.2231

Northgate existing - Sacramento Valley Air Basin, 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	23.8610	17.3560	117.7853	0.1963	18.0768	0.1813	18.2582	4.8237	0.1698	4.9935		20,006.1805	20,006.1805	1.7382	1.2618	20,425.6627
Unmitigated	23.8610	17.3560	117.7853	0.1963	18.0768	0.1813	18.2582	4.8237	0.1698	4.9935		20,006.1805	20,006.1805	1.7382	1.2618	20,425.6627

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Electronic Superstore	6,404.21	8,599.27	6669.43	6,721,743	6,721,743
Total	6,404.21	8,599.27	6,669.43	6,721,743	6,721,743

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
Electronic Superstore	9.50	7.30	7.30	15.50	65.50	19.00	27	33	40

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Electronic Superstore	0.516022	0.055984	0.185115	0.140509	0.032838	0.007379	0.013399	0.013498	0.000737	0.000476	0.028833	0.001070	0.004141

Northgate existing - Sacramento Valley Air Basin, Summer

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

5.0 Energy Detail

Historical Energy Use: Y

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	0.0297	0.2703	0.2270	1.6200e-003		0.0205	0.0205		0.0205	0.0205		324.3461	324.3461	6.2200e-003	5.9500e-003	326.2736
NaturalGas Unmitigated	0.0297	0.2703	0.2270	1.6200e-003		0.0205	0.0205		0.0205	0.0205		324.3461	324.3461	6.2200e-003	5.9500e-003	326.2736

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	lb/day										lb/day					
Electronic Superstore	2756.94	0.0297	0.2703	0.2270	1.6200e-003		0.0205	0.0205		0.0205	0.0205		324.3461	324.3461	6.2200e-003	5.9500e-003	326.2736
Total		0.0297	0.2703	0.2270	1.6200e-003		0.0205	0.0205		0.0205	0.0205		324.3461	324.3461	6.2200e-003	5.9500e-003	326.2736

Northgate existng - Sacramento Valley Air Basin, 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					
Electronic Superstore	2.75694	0.0297	0.2703	0.2270	1.6200e-003		0.0205	0.0205		0.0205	0.0205		324.3461	324.3461	6.2200e-003	5.9500e-003	326.2736
Total		0.0297	0.2703	0.2270	1.6200e-003		0.0205	0.0205		0.0205	0.0205		324.3461	324.3461	6.2200e-003	5.9500e-003	326.2736

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	3.7364	1.4000e-004	0.0159	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0341	0.0341	9.0000e-005		0.0364
Unmitigated	3.7364	1.4000e-004	0.0159	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0341	0.0341	9.0000e-005		0.0364

Northgate existng - Sacramento Valley Air Basin, 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

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	0.3962					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.3387					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4700e-003	1.4000e-004	0.0159	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0341	0.0341	9.0000e-005		0.0364
Total	3.7364	1.4000e-004	0.0159	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0341	0.0341	9.0000e-005		0.0364

Northgate existng - Sacramento Valley Air Basin, 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	0.3962					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.3387					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4700e-003	1.4000e-004	0.0159	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0341	0.0341	9.0000e-005		0.0364
Total	3.7364	1.4000e-004	0.0159	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0341	0.0341	9.0000e-005		0.0364

7.0 Water Detail

7.1 Mitigation Measures Water

Northgate existng - Sacramento Valley Air Basin, Summer

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

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

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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11.0 Vegetation

Northgate Industrial - Proposed - Sacramento County, Annual

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

**Northgate Industrial - Proposed
Sacramento County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	265.69	1000sqft	17.55	265,686.00	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/MW hr)	374.84	CH4 Intensity (lb/MW hr)	0.013	N2O Intensity (lb/MW hr)	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - From PD

Construction Phase - Project data. Added Architectural Coatings phase conservatively assumed to be concurrent with paving

Off-road Equipment - Project data

Off-road Equipment - Project data

Off-road Equipment - Project data

Off-road Equipment - Project data

Off-road Equipment - Assumed

Grading -

Trips and VMT - Project specific workers trips available, vendor trip default for building construction adjusted to include concrete delivery

Vehicle Trips - From project traffic study

Operational Off-Road Equipment - Equipment assumed based on a similar project

Northgate Industrial - Proposed - Sacramento County, Annual

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

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	130.00
tblConstructionPhase	NumDays	300.00	260.00
tblConstructionPhase	NumDays	30.00	130.00
tblConstructionPhase	NumDays	20.00	130.00
tblConstructionPhase	NumDays	10.00	65.00
tblConstructionPhase	PhaseEndDate	4/12/2024	3/31/2024
tblConstructionPhase	PhaseEndDate	2/16/2024	12/31/2023
tblConstructionPhase	PhaseEndDate	12/23/2022	3/31/2023
tblConstructionPhase	PhaseEndDate	3/15/2024	3/31/2024
tblConstructionPhase	PhaseEndDate	11/11/2022	12/31/2022
tblConstructionPhase	PhaseStartDate	3/16/2024	10/1/2023
tblConstructionPhase	PhaseStartDate	12/24/2022	1/1/2023
tblConstructionPhase	PhaseStartDate	11/12/2022	10/1/2022
tblConstructionPhase	PhaseStartDate	2/17/2024	10/1/2023
tblConstructionPhase	PhaseStartDate	10/29/2022	10/1/2022
tblLandUse	LotAcreage	6.10	17.55
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.48	0.48
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.30	0.30
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets

Northgate Industrial - Proposed - Sacramento County, Annual

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

tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Surfacing Equipment
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperLoadFactor	0.20	0.20
tblOperationalOffRoadEquipment	OperLoadFactor	0.44	0.44
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	44.00	49.00
tblTripsAndVMT	WorkerTripNumber	13.00	20.00
tblTripsAndVMT	WorkerTripNumber	13.00	30.00
tblTripsAndVMT	WorkerTripNumber	112.00	120.00

Northgate Industrial - Proposed - Sacramento County, Annual

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

tblTripsAndVMT	WorkerTripNumber	13.00	30.00
tblVehicleTrips	ST_TR	1.74	3.37
tblVehicleTrips	SU_TR	1.74	3.37
tblVehicleTrips	WD_TR	1.74	3.37

2.0 Emissions Summary

Northgate Industrial - Proposed - 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					
2022	0.0939	0.9390	0.9454	1.8300e-003	0.0809	0.0405	0.1214	0.0106	0.0381	0.0487	0.0000	160.7211	160.7211	0.0390	3.0000e-004	161.7848
2023	0.9543	2.9173	3.3931	7.6500e-003	0.2059	0.1192	0.3251	0.0502	0.1139	0.1641	0.0000	679.1365	679.1365	0.0940	0.0204	687.5695
2024	0.6595	0.3601	0.5248	1.0400e-003	0.0124	0.0165	0.0289	3.3000e-003	0.0156	0.0189	0.0000	90.8792	90.8792	0.0185	2.6000e-004	91.4193
Maximum	0.9543	2.9173	3.3931	7.6500e-003	0.2059	0.1192	0.3251	0.0502	0.1139	0.1641	0.0000	679.1365	679.1365	0.0940	0.0204	687.5695

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	0.0939	0.9390	0.9454	1.8300e-003	0.0430	0.0405	0.0835	6.5200e-003	0.0381	0.0446	0.0000	160.7209	160.7209	0.0390	3.0000e-004	161.7846
2023	0.9543	2.9173	3.3931	7.6500e-003	0.1870	0.1192	0.3061	0.0481	0.1139	0.1621	0.0000	679.1360	679.1360	0.0940	0.0204	687.5690
2024	0.6595	0.3601	0.5248	1.0400e-003	0.0124	0.0165	0.0289	3.3000e-003	0.0156	0.0189	0.0000	90.8791	90.8791	0.0185	2.6000e-004	91.4192
Maximum	0.9543	2.9173	3.3931	7.6500e-003	0.1870	0.1192	0.3061	0.0481	0.1139	0.1621	0.0000	679.1360	679.1360	0.0940	0.0204	687.5690

Northgate Industrial - Proposed - 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	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	19.01	0.00	11.96	9.59	0.00	2.65	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	10-1-2022	12-31-2022	1.0448	1.0448
2	1-1-2023	3-31-2023	1.0054	1.0054
3	4-1-2023	6-30-2023	0.6029	0.6029
4	7-1-2023	9-30-2023	0.6096	0.6096
5	10-1-2023	12-31-2023	1.6690	1.6690
6	1-1-2024	3-31-2024	1.0201	1.0201
		Highest	1.6690	1.6690

Northgate Industrial - Proposed - 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

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	1.1611	3.0000e-005	3.3900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.5900e-003	6.5900e-003	2.0000e-005	0.0000	7.0200e-003
Energy	7.0000e-004	6.3800e-003	5.3600e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	151.0496	151.0496	5.1300e-003	9.0000e-004	151.4449
Mobile	0.4613	0.6265	4.3994	9.3400e-003	0.9652	7.3700e-003	0.9726	0.2581	6.8900e-003	0.2649	0.0000	864.6381	864.6381	0.0578	0.0425	878.7569
Offroad	0.0757	1.1189	9.5484	3.1000e-003		0.0339	0.0339		0.0319	0.0319	0.0000	310.0708	310.0708	0.1003	0.0000	312.5779
Waste						0.0000	0.0000		0.0000	0.0000	50.6970	0.0000	50.6970	2.9961	0.0000	125.5997
Water						0.0000	0.0000		0.0000	0.0000	21.7379	52.0505	73.7883	0.0766	0.0476	89.8740
Total	1.6988	1.7518	13.9565	0.0125	0.9652	0.0418	1.0069	0.2581	0.0393	0.2973	72.4349	1,377.8155	1,450.2503	3.2360	0.0910	1,558.2604

Northgate Industrial - Proposed - 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	1.1611	3.0000e-005	3.3900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.5900e-003	6.5900e-003	2.0000e-005	0.0000	7.0200e-003
Energy	7.0000e-004	6.3800e-003	5.3600e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	151.0496	151.0496	5.1300e-003	9.0000e-004	151.4449
Mobile	0.4613	0.6265	4.3994	9.3400e-003	0.9652	7.3700e-003	0.9726	0.2581	6.8900e-003	0.2649	0.0000	864.6381	864.6381	0.0578	0.0425	878.7569
Offroad	0.0757	1.1189	9.5484	3.1000e-003		0.0339	0.0339		0.0319	0.0319	0.0000	310.0708	310.0708	0.1003	0.0000	312.5779
Waste						0.0000	0.0000		0.0000	0.0000	50.6970	0.0000	50.6970	2.9961	0.0000	125.5997
Water						0.0000	0.0000		0.0000	0.0000	21.7379	52.0505	73.7883	0.0766	0.0476	89.8740
Total	1.6988	1.7518	13.9565	0.0125	0.9652	0.0418	1.0069	0.2581	0.0393	0.2973	72.4349	1,377.8155	1,450.2503	3.2360	0.0910	1,558.2604

	ROG	NOx	CO	SO2	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	10/1/2022	12/31/2022	5	65	
2	Grading	Grading	10/1/2022	3/31/2023	5	130	

Northgate Industrial - Proposed - Sacramento County, Annual

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

3	Building Construction	Building Construction	1/1/2023	12/31/2023	5	260
4	Paving	Paving	10/1/2023	3/31/2024	5	130
5	Architectural Coating	Architectural Coating	10/1/2023	3/31/2024	5	130

Acres of Grading (Site Preparation Phase): 65

Acres of Grading (Grading Phase): 65

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 398,529; Non-Residential Outdoor: 132,843; 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	8.00	78	0.48
Site Preparation	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	8.00	231	0.29
Site Preparation	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Forklifts	1	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	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Site Preparation	Scrapers	1	8.00	367	0.48
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Grading	Generator Sets	1	8.00	84	0.74
Paving	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Northgate Industrial - Proposed - Sacramento County, Annual

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

Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Site Preparation	Skid Steer Loaders	1	8.00	65	0.37
Grading	Skid Steer Loaders	1	8.00	65	0.37
Grading	Rollers	1	8.00	80	0.38
Paving	Surfacing Equipment	1	8.00	263	0.30

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	5	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	30.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	120.00	49.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	30.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Northgate Industrial - Proposed - Sacramento County, Annual

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 On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0345	0.0000	0.0345	3.7200e-003	0.0000	3.7200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0517	0.5298	0.5517	1.0500e-003		0.0230	0.0230		0.0216	0.0216	0.0000	91.5172	91.5172	0.0245	0.0000	92.1304
Total	0.0517	0.5298	0.5517	1.0500e-003	0.0345	0.0230	0.0575	3.7200e-003	0.0216	0.0253	0.0000	91.5172	91.5172	0.0245	0.0000	92.1304

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.0000e-003	1.3000e-003	0.0164	4.0000e-005	4.7700e-003	3.0000e-005	4.8000e-003	1.2700e-003	2.0000e-005	1.2900e-003	0.0000	3.9058	3.9058	1.3000e-004	1.2000e-004	3.9444
Total	2.0000e-003	1.3000e-003	0.0164	4.0000e-005	4.7700e-003	3.0000e-005	4.8000e-003	1.2700e-003	2.0000e-005	1.2900e-003	0.0000	3.9058	3.9058	1.3000e-004	1.2000e-004	3.9444

Northgate Industrial - Proposed - Sacramento County, Annual

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 On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0155	0.0000	0.0155	1.6700e-003	0.0000	1.6700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0517	0.5298	0.5517	1.0500e-003		0.0230	0.0230		0.0216	0.0216	0.0000	91.5171	91.5171	0.0245	0.0000	92.1303
Total	0.0517	0.5298	0.5517	1.0500e-003	0.0155	0.0230	0.0385	1.6700e-003	0.0216	0.0232	0.0000	91.5171	91.5171	0.0245	0.0000	92.1303

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.0000e-003	1.3000e-003	0.0164	4.0000e-005	4.7700e-003	3.0000e-005	4.8000e-003	1.2700e-003	2.0000e-005	1.2900e-003	0.0000	3.9058	3.9058	1.3000e-004	1.2000e-004	3.9444
Total	2.0000e-003	1.3000e-003	0.0164	4.0000e-005	4.7700e-003	3.0000e-005	4.8000e-003	1.2700e-003	2.0000e-005	1.2900e-003	0.0000	3.9058	3.9058	1.3000e-004	1.2000e-004	3.9444

Northgate Industrial - Proposed - Sacramento County, Annual

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

3.3 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					0.0345	0.0000	0.0345	3.7200e-003	0.0000	3.7200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0372	0.4059	0.3528	6.8000e-004		0.0175	0.0175		0.0164	0.0164	0.0000	59.4395	59.4395	0.0142	0.0000	59.7934
Total	0.0372	0.4059	0.3528	6.8000e-004	0.0345	0.0175	0.0519	3.7200e-003	0.0164	0.0202	0.0000	59.4395	59.4395	0.0142	0.0000	59.7934

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	3.0000e-003	1.9600e-003	0.0246	6.0000e-005	7.1600e-003	4.0000e-005	7.2000e-003	1.9000e-003	4.0000e-005	1.9400e-003	0.0000	5.8587	5.8587	2.0000e-004	1.8000e-004	5.9166
Total	3.0000e-003	1.9600e-003	0.0246	6.0000e-005	7.1600e-003	4.0000e-005	7.2000e-003	1.9000e-003	4.0000e-005	1.9400e-003	0.0000	5.8587	5.8587	2.0000e-004	1.8000e-004	5.9166

Northgate Industrial - Proposed - Sacramento County, Annual

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

3.3 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					0.0155	0.0000	0.0155	1.6700e-003	0.0000	1.6700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0372	0.4059	0.3528	6.8000e-004		0.0175	0.0175		0.0164	0.0164	0.0000	59.4394	59.4394	0.0142	0.0000	59.7933
Total	0.0372	0.4059	0.3528	6.8000e-004	0.0155	0.0175	0.0330	1.6700e-003	0.0164	0.0181	0.0000	59.4394	59.4394	0.0142	0.0000	59.7933

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	3.0000e-003	1.9600e-003	0.0246	6.0000e-005	7.1600e-003	4.0000e-005	7.2000e-003	1.9000e-003	4.0000e-005	1.9400e-003	0.0000	5.8587	5.8587	2.0000e-004	1.8000e-004	5.9166
Total	3.0000e-003	1.9600e-003	0.0246	6.0000e-005	7.1600e-003	4.0000e-005	7.2000e-003	1.9000e-003	4.0000e-005	1.9400e-003	0.0000	5.8587	5.8587	2.0000e-004	1.8000e-004	5.9166

Northgate Industrial - Proposed - Sacramento County, Annual

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	tons/yr										MT/yr					
Fugitive Dust					0.0345	0.0000	0.0345	3.7200e-003	0.0000	3.7200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0344	0.3691	0.3511	6.8000e-004		0.0153	0.0153		0.0144	0.0144	0.0000	59.4399	59.4399	0.0141	0.0000	59.7921
Total	0.0344	0.3691	0.3511	6.8000e-004	0.0345	0.0153	0.0498	3.7200e-003	0.0144	0.0182	0.0000	59.4399	59.4399	0.0141	0.0000	59.7921

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.8000e-003	1.7300e-003	0.0227	6.0000e-005	7.1600e-003	4.0000e-005	7.2000e-003	1.9000e-003	4.0000e-005	1.9400e-003	0.0000	5.6734	5.6734	1.8000e-004	1.6000e-004	5.7269
Total	2.8000e-003	1.7300e-003	0.0227	6.0000e-005	7.1600e-003	4.0000e-005	7.2000e-003	1.9000e-003	4.0000e-005	1.9400e-003	0.0000	5.6734	5.6734	1.8000e-004	1.6000e-004	5.7269

Northgate Industrial - Proposed - Sacramento County, Annual

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	tons/yr										MT/yr					
Fugitive Dust					0.0155	0.0000	0.0155	1.6700e-003	0.0000	1.6700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0344	0.3690	0.3511	6.8000e-004		0.0153	0.0153		0.0144	0.0144	0.0000	59.4398	59.4398	0.0141	0.0000	59.7921
Total	0.0344	0.3690	0.3511	6.8000e-004	0.0155	0.0153	0.0308	1.6700e-003	0.0144	0.0161	0.0000	59.4398	59.4398	0.0141	0.0000	59.7921

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.8000e-003	1.7300e-003	0.0227	6.0000e-005	7.1600e-003	4.0000e-005	7.2000e-003	1.9000e-003	4.0000e-005	1.9400e-003	0.0000	5.6734	5.6734	1.8000e-004	1.6000e-004	5.7269
Total	2.8000e-003	1.7300e-003	0.0227	6.0000e-005	7.1600e-003	4.0000e-005	7.2000e-003	1.9000e-003	4.0000e-005	1.9400e-003	0.0000	5.6734	5.6734	1.8000e-004	1.6000e-004	5.7269

Northgate Industrial - Proposed - Sacramento County, Annual

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	tons/yr										MT/yr					
Off-Road	0.2026	1.8279	2.0362	3.6600e-003		0.0834	0.0834		0.0801	0.0801	0.0000	313.8987	313.8987	0.0553	0.0000	315.2823
Total	0.2026	1.8279	2.0362	3.6600e-003		0.0834	0.0834		0.0801	0.0801	0.0000	313.8987	313.8987	0.0553	0.0000	315.2823

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	8.3000e-003	0.3105	0.0936	1.2100e-003	0.0373	1.6500e-003	0.0390	0.0108	1.5800e-003	0.0124	0.0000	118.1439	118.1439	2.9100e-003	0.0173	123.3827
Worker	0.0447	0.0277	0.3627	9.9000e-004	0.1146	6.1000e-004	0.1152	0.0305	5.6000e-004	0.0310	0.0000	90.7747	90.7747	2.9100e-003	2.6300e-003	91.6302
Total	0.0530	0.3382	0.4563	2.2000e-003	0.1519	2.2600e-003	0.1541	0.0413	2.1400e-003	0.0434	0.0000	208.9186	208.9186	5.8200e-003	0.0200	215.0129

Northgate Industrial - Proposed - Sacramento County, Annual

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	tons/yr										MT/yr					
Off-Road	0.2026	1.8279	2.0362	3.6600e-003		0.0834	0.0834		0.0801	0.0801	0.0000	313.8983	313.8983	0.0553	0.0000	315.2819
Total	0.2026	1.8279	2.0362	3.6600e-003		0.0834	0.0834		0.0801	0.0801	0.0000	313.8983	313.8983	0.0553	0.0000	315.2819

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	8.3000e-003	0.3105	0.0936	1.2100e-003	0.0373	1.6500e-003	0.0390	0.0108	1.5800e-003	0.0124	0.0000	118.1439	118.1439	2.9100e-003	0.0173	123.3827
Worker	0.0447	0.0277	0.3627	9.9000e-004	0.1146	6.1000e-004	0.1152	0.0305	5.6000e-004	0.0310	0.0000	90.7747	90.7747	2.9100e-003	2.6300e-003	91.6302
Total	0.0530	0.3382	0.4563	2.2000e-003	0.1519	2.2600e-003	0.1541	0.0413	2.1400e-003	0.0434	0.0000	208.9186	208.9186	5.8200e-003	0.0200	215.0129

Northgate Industrial - Proposed - 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 - 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	0.0327	0.3209	0.4091	8.1000e-004		0.0150	0.0150		0.0141	0.0141	0.0000	70.3079	70.3079	0.0176	0.0000	70.7481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0327	0.3209	0.4091	8.1000e-004		0.0150	0.0150		0.0141	0.0141	0.0000	70.3079	70.3079	0.0176	0.0000	70.7481

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.8000e-003	1.7300e-003	0.0227	6.0000e-005	7.1600e-003	4.0000e-005	7.2000e-003	1.9000e-003	4.0000e-005	1.9400e-003	0.0000	5.6734	5.6734	1.8000e-004	1.6000e-004	5.7269
Total	2.8000e-003	1.7300e-003	0.0227	6.0000e-005	7.1600e-003	4.0000e-005	7.2000e-003	1.9000e-003	4.0000e-005	1.9400e-003	0.0000	5.6734	5.6734	1.8000e-004	1.6000e-004	5.7269

Northgate Industrial - Proposed - 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 - 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	0.0327	0.3209	0.4091	8.1000e-004		0.0150	0.0150		0.0141	0.0141	0.0000	70.3078	70.3078	0.0176	0.0000	70.7480
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0327	0.3209	0.4091	8.1000e-004		0.0150	0.0150		0.0141	0.0141	0.0000	70.3078	70.3078	0.0176	0.0000	70.7480

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.8000e-003	1.7300e-003	0.0227	6.0000e-005	7.1600e-003	4.0000e-005	7.2000e-003	1.9000e-003	4.0000e-005	1.9400e-003	0.0000	5.6734	5.6734	1.8000e-004	1.6000e-004	5.7269
Total	2.8000e-003	1.7300e-003	0.0227	6.0000e-005	7.1600e-003	4.0000e-005	7.2000e-003	1.9000e-003	4.0000e-005	1.9400e-003	0.0000	5.6734	5.6734	1.8000e-004	1.6000e-004	5.7269

Northgate Industrial - Proposed - 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 - 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	0.0314	0.3046	0.4098	8.1000e-004		0.0138	0.0138		0.0129	0.0129	0.0000	70.3023	70.3023	0.0175	0.0000	70.7408
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0314	0.3046	0.4098	8.1000e-004		0.0138	0.0138		0.0129	0.0129	0.0000	70.3023	70.3023	0.0175	0.0000	70.7408

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.6100e-003	1.5400e-003	0.0211	6.0000e-005	7.1600e-003	4.0000e-005	7.2000e-003	1.9000e-003	3.0000e-005	1.9400e-003	0.0000	5.4882	5.4882	1.6000e-004	1.5000e-004	5.5378
Total	2.6100e-003	1.5400e-003	0.0211	6.0000e-005	7.1600e-003	4.0000e-005	7.2000e-003	1.9000e-003	3.0000e-005	1.9400e-003	0.0000	5.4882	5.4882	1.6000e-004	1.5000e-004	5.5378

Northgate Industrial - Proposed - 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 - 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	0.0314	0.3046	0.4098	8.1000e-004		0.0138	0.0138		0.0129	0.0129	0.0000	70.3022	70.3022	0.0175	0.0000	70.7407
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0314	0.3046	0.4098	8.1000e-004		0.0138	0.0138		0.0129	0.0129	0.0000	70.3022	70.3022	0.0175	0.0000	70.7407

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.6100e-003	1.5400e-003	0.0211	6.0000e-005	7.1600e-003	4.0000e-005	7.2000e-003	1.9000e-003	3.0000e-005	1.9400e-003	0.0000	5.4882	5.4882	1.6000e-004	1.5000e-004	5.5378
Total	2.6100e-003	1.5400e-003	0.0211	6.0000e-005	7.1600e-003	4.0000e-005	7.2000e-003	1.9000e-003	3.0000e-005	1.9400e-003	0.0000	5.4882	5.4882	1.6000e-004	1.5000e-004	5.5378

Northgate Industrial - Proposed - Sacramento County, Annual

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

3.6 Architectural Coating - 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					
Archit. Coating	0.6157					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3100e-003	0.0565	0.0785	1.3000e-004		3.0700e-003	3.0700e-003		3.0700e-003	3.0700e-003	0.0000	11.0641	11.0641	6.6000e-004	0.0000	11.0807
Total	0.6240	0.0565	0.0785	1.3000e-004		3.0700e-003	3.0700e-003		3.0700e-003	3.0700e-003	0.0000	11.0641	11.0641	6.6000e-004	0.0000	11.0807

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.0500e-003	1.2700e-003	0.0166	5.0000e-005	5.2500e-003	3.0000e-005	5.2800e-003	1.4000e-003	3.0000e-005	1.4200e-003	0.0000	4.1605	4.1605	1.3000e-004	1.2000e-004	4.1997
Total	2.0500e-003	1.2700e-003	0.0166	5.0000e-005	5.2500e-003	3.0000e-005	5.2800e-003	1.4000e-003	3.0000e-005	1.4200e-003	0.0000	4.1605	4.1605	1.3000e-004	1.2000e-004	4.1997

Northgate Industrial - Proposed - Sacramento County, Annual

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

3.6 Architectural Coating - 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					
Archit. Coating	0.6157					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3100e-003	0.0565	0.0785	1.3000e-004		3.0700e-003	3.0700e-003		3.0700e-003	3.0700e-003	0.0000	11.0641	11.0641	6.6000e-004	0.0000	11.0806
Total	0.6240	0.0565	0.0785	1.3000e-004		3.0700e-003	3.0700e-003		3.0700e-003	3.0700e-003	0.0000	11.0641	11.0641	6.6000e-004	0.0000	11.0806

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.0500e-003	1.2700e-003	0.0166	5.0000e-005	5.2500e-003	3.0000e-005	5.2800e-003	1.4000e-003	3.0000e-005	1.4200e-003	0.0000	4.1605	4.1605	1.3000e-004	1.2000e-004	4.1997
Total	2.0500e-003	1.2700e-003	0.0166	5.0000e-005	5.2500e-003	3.0000e-005	5.2800e-003	1.4000e-003	3.0000e-005	1.4200e-003	0.0000	4.1605	4.1605	1.3000e-004	1.2000e-004	4.1997

Northgate Industrial - Proposed - Sacramento County, Annual

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

3.6 Architectural Coating - 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					
Archit. Coating	0.6157					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.8300e-003	0.0528	0.0784	1.3000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	11.0641	11.0641	6.2000e-004	0.0000	11.0797
Total	0.6236	0.0528	0.0784	1.3000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	11.0641	11.0641	6.2000e-004	0.0000	11.0797

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.9200e-003	1.1300e-003	0.0155	4.0000e-005	5.2500e-003	3.0000e-005	5.2800e-003	1.4000e-003	2.0000e-005	1.4200e-003	0.0000	4.0246	4.0246	1.2000e-004	1.1000e-004	4.0610
Total	1.9200e-003	1.1300e-003	0.0155	4.0000e-005	5.2500e-003	3.0000e-005	5.2800e-003	1.4000e-003	2.0000e-005	1.4200e-003	0.0000	4.0246	4.0246	1.2000e-004	1.1000e-004	4.0610

Northgate Industrial - Proposed - Sacramento County, Annual

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

3.6 Architectural Coating - 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					
Archit. Coating	0.6157					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.8300e-003	0.0528	0.0784	1.3000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	11.0641	11.0641	6.2000e-004	0.0000	11.0797
Total	0.6236	0.0528	0.0784	1.3000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	11.0641	11.0641	6.2000e-004	0.0000	11.0797

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.9200e-003	1.1300e-003	0.0155	4.0000e-005	5.2500e-003	3.0000e-005	5.2800e-003	1.4000e-003	2.0000e-005	1.4200e-003	0.0000	4.0246	4.0246	1.2000e-004	1.1000e-004	4.0610
Total	1.9200e-003	1.1300e-003	0.0155	4.0000e-005	5.2500e-003	3.0000e-005	5.2800e-003	1.4000e-003	2.0000e-005	1.4200e-003	0.0000	4.0246	4.0246	1.2000e-004	1.1000e-004	4.0610

Northgate Industrial - Proposed - Sacramento County, Annual

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	tons/yr										MT/yr					
Mitigated	0.4613	0.6265	4.3994	9.3400e-003	0.9652	7.3700e-003	0.9726	0.2581	6.8900e-003	0.2649	0.0000	864.6381	864.6381	0.0578	0.0425	878.7569
Unmitigated	0.4613	0.6265	4.3994	9.3400e-003	0.9652	7.3700e-003	0.9726	0.2581	6.8900e-003	0.2649	0.0000	864.6381	864.6381	0.0578	0.0425	878.7569

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	895.36	895.36	895.36	2,603,990	2,603,990
Total	895.36	895.36	895.36	2,603,990	2,603,990

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
Unrefrigerated Warehouse-No Rail	10.00	5.00	6.50	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.542485	0.056811	0.183752	0.130945	0.025591	0.005989	0.013266	0.009393	0.000917	0.000565	0.025954	0.000983	0.003351

Northgate Industrial - Proposed - Sacramento County, Annual

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

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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	144.1023	144.1023	5.0000e-003	7.7000e-004	144.4564
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	144.1023	144.1023	5.0000e-003	7.7000e-004	144.4564
NaturalGas Mitigated	7.0000e-004	6.3800e-003	5.3600e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9472	6.9472	1.3000e-004	1.3000e-004	6.9885
NaturalGas Unmitigated	7.0000e-004	6.3800e-003	5.3600e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9472	6.9472	1.3000e-004	1.3000e-004	6.9885

Northgate Industrial - Proposed - Sacramento County, Annual

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

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					
Unrefrigerated Warehouse-No Rail	130186	7.0000e-004	6.3800e-003	5.3600e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9472	6.9472	1.3000e-004	1.3000e-004	6.9885
Total		7.0000e-004	6.3800e-003	5.3600e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9472	6.9472	1.3000e-004	1.3000e-004	6.9885

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	tons/yr										MT/yr					
Unrefrigerated Warehouse-No Rail	130186	7.0000e-004	6.3800e-003	5.3600e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9472	6.9472	1.3000e-004	1.3000e-004	6.9885
Total		7.0000e-004	6.3800e-003	5.3600e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9472	6.9472	1.3000e-004	1.3000e-004	6.9885

Northgate Industrial - Proposed - Sacramento County, Annual

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	847538	144.1023	5.0000e-003	7.7000e-004	144.4564
Total		144.1023	5.0000e-003	7.7000e-004	144.4564

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	847538	144.1023	5.0000e-003	7.7000e-004	144.4564
Total		144.1023	5.0000e-003	7.7000e-004	144.4564

6.0 Area Detail

6.1 Mitigation Measures Area

Northgate Industrial - Proposed - 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					
Mitigated	1.1611	3.0000e-005	3.3900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.5900e-003	6.5900e-003	2.0000e-005	0.0000	7.0200e-003
Unmitigated	1.1611	3.0000e-005	3.3900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.5900e-003	6.5900e-003	2.0000e-005	0.0000	7.0200e-003

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	0.1232					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0376					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.1000e-004	3.0000e-005	3.3900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.5900e-003	6.5900e-003	2.0000e-005	0.0000	7.0200e-003
Total	1.1611	3.0000e-005	3.3900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.5900e-003	6.5900e-003	2.0000e-005	0.0000	7.0200e-003

Northgate Industrial - Proposed - Sacramento County, Annual

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	tons/yr										MT/yr					
Architectural Coating	0.1232					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0376					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.1000e-004	3.0000e-005	3.3900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.5900e-003	6.5900e-003	2.0000e-005	0.0000	7.0200e-003
Total	1.1611	3.0000e-005	3.3900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.5900e-003	6.5900e-003	2.0000e-005	0.0000	7.0200e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Northgate Industrial - Proposed - Sacramento County, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	73.7883	0.0766	0.0476	89.8740
Unmitigated	73.7883	0.0766	0.0476	89.8740

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	61.4408 / 0	73.7883	0.0766	0.0476	89.8740
Total		73.7883	0.0766	0.0476	89.8740

Northgate Industrial - Proposed - Sacramento County, Annual

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	61.4408 / 0	73.7883	0.0766	0.0476	89.8740
Total		73.7883	0.0766	0.0476	89.8740

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	50.6970	2.9961	0.0000	125.5997
Unmitigated	50.6970	2.9961	0.0000	125.5997

Northgate Industrial - Proposed - Sacramento County, Annual

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	249.75	50.6970	2.9961	0.0000	125.5997
Total		50.6970	2.9961	0.0000	125.5997

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	249.75	50.6970	2.9961	0.0000	125.5997
Total		50.6970	2.9961	0.0000	125.5997

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	5	8.00	365	89	0.20	CNG

Northgate Industrial - Proposed - Sacramento County, Annual

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

Off-Highway Tractors	2	8.00	365	124	0.44 Diesel
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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					
Forklifts	0.0123	0.5989	8.4593	1.4000e-003		9.0300e-003	9.0300e-003		9.0300e-003	9.0300e-003	0.0000	160.8696	160.8696	0.0520	0.0000	162.1703
Off-Highway Tractors	0.0635	0.5200	1.0891	1.7000e-003		0.0249	0.0249		0.0229	0.0229	0.0000	149.2012	149.2012	0.0483	0.0000	150.4076
Total	0.0757	1.1189	9.5484	3.1000e-003		0.0339	0.0339		0.0319	0.0319	0.0000	310.0708	310.0708	0.1003	0.0000	312.5779

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
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Northgate Industrial - Proposed - Sacramento County, Summer

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

**Northgate Industrial - Proposed
Sacramento County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	265.69	1000sqft	17.55	265,686.00	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)	374.84	CH4 Intensity (lb/MWhr)	0.013	N2O Intensity (lb/MWhr)	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - From PD

Construction Phase - Project data. Added Architectual Coatings phase conservatively assumed to be concurrent with paving

Off-road Equipment - Project data

Off-road Equipment - Project data

Off-road Equipment - Project data

Off-road Equipment - Project data

Off-road Equipment - Assumed

Grading -

Trips and VMT - Project specific workers trips available, vendor trip default for building construction adjusted to include concrete delivery

Vehicle Trips - From project traffic study

Operational Off-Road Equipment - Equipment assumed based on a similar project

Northgate Industrial - Proposed - Sacramento County, Summer

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

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	130.00
tblConstructionPhase	NumDays	300.00	260.00
tblConstructionPhase	NumDays	30.00	130.00
tblConstructionPhase	NumDays	20.00	130.00
tblConstructionPhase	NumDays	10.00	65.00
tblConstructionPhase	PhaseEndDate	4/12/2024	3/31/2024
tblConstructionPhase	PhaseEndDate	2/16/2024	12/31/2023
tblConstructionPhase	PhaseEndDate	12/23/2022	3/31/2023
tblConstructionPhase	PhaseEndDate	3/15/2024	3/31/2024
tblConstructionPhase	PhaseEndDate	11/11/2022	12/31/2022
tblConstructionPhase	PhaseStartDate	3/16/2024	10/1/2023
tblConstructionPhase	PhaseStartDate	12/24/2022	1/1/2023
tblConstructionPhase	PhaseStartDate	11/12/2022	10/1/2022
tblConstructionPhase	PhaseStartDate	2/17/2024	10/1/2023
tblConstructionPhase	PhaseStartDate	10/29/2022	10/1/2022
tblLandUse	LotAcreage	6.10	17.55
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.48	0.48
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.30	0.30
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets

Northgate Industrial - Proposed - Sacramento County, Summer

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

tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Surfacing Equipment
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperLoadFactor	0.20	0.20
tblOperationalOffRoadEquipment	OperLoadFactor	0.44	0.44
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	44.00	49.00
tblTripsAndVMT	WorkerTripNumber	13.00	20.00
tblTripsAndVMT	WorkerTripNumber	13.00	30.00
tblTripsAndVMT	WorkerTripNumber	112.00	120.00

Northgate Industrial - Proposed - Sacramento County, Summer

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

tblTripsAndVMT	WorkerTripNumber	13.00	30.00
tblVehicleTrips	ST_TR	1.74	3.37
tblVehicleTrips	SU_TR	1.74	3.37
tblVehicleTrips	WD_TR	1.74	3.37

2.0 Emissions Summary

Northgate Industrial - Proposed - 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					
2022	2.9151	28.8847	29.3053	0.0568	1.9711	1.2475	3.2186	0.2727	1.1712	1.4438	0.0000	5,483.0658	5,483.0658	1.3230	9.4500e-003	5,518.9537
2023	22.4102	28.2205	36.0473	0.0782	1.9665	1.2168	3.0983	0.4449	1.1632	1.5952	0.0000	7,632.0102	7,632.0102	1.1472	0.1769	7,713.3964
2024	20.3162	11.0734	16.3330	0.0322	0.3956	0.5063	0.9019	0.1049	0.4812	0.5861	0.0000	3,113.1987	3,113.1987	0.6252	8.4600e-003	3,131.3482
Maximum	22.4102	28.8847	36.0473	0.0782	1.9711	1.2475	3.2186	0.4449	1.1712	1.5952	0.0000	7,632.0102	7,632.0102	1.3230	0.1769	7,713.3964

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	2.9151	28.8847	29.3053	0.0568	1.0962	1.2475	2.3437	0.1782	1.1712	1.3494	0.0000	5,483.0658	5,483.0658	1.3230	9.4500e-003	5,518.9537
2023	22.4102	28.2205	36.0473	0.0782	1.6749	1.2168	2.8204	0.4320	1.1632	1.5952	0.0000	7,632.0102	7,632.0102	1.1472	0.1769	7,713.3964
2024	20.3162	11.0734	16.3330	0.0322	0.3956	0.5063	0.9019	0.1049	0.4812	0.5861	0.0000	3,113.1987	3,113.1987	0.6252	8.4600e-003	3,131.3482
Maximum	22.4102	28.8847	36.0473	0.0782	1.6749	1.2475	2.8204	0.4320	1.1712	1.5952	0.0000	7,632.0102	7,632.0102	1.3230	0.1769	7,713.3964

Northgate Industrial - Proposed - 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	26.92	0.00	15.97	13.05	0.00	2.61	0.00	0.00	0.00	0.00	0.00	0.00

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	6.3630	2.5000e-004	0.0271	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0582	0.0582	1.5000e-004		0.0619
Energy	3.8500e-003	0.0350	0.0294	2.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003		41.9617	41.9617	8.0000e-004	7.7000e-004	42.2111
Mobile	3.0828	3.1667	26.2711	0.0552	5.4911	0.0406	5.5317	1.4640	0.0379	1.5019		5,626.0583	5,626.0583	0.3355	0.2472	5,708.1152
Offroad	0.4150	6.1309	52.3199	0.0170		0.1856	0.1856		0.1747	0.1747	0.0000	1,872.8490	1,872.8490	0.6057		1,887.9920
Total	9.8646	9.3328	78.6474	0.0724	5.4911	0.2290	5.7201	1.4640	0.2154	1.6794	0.0000	7,540.9272	7,540.9272	0.9422	0.2480	7,638.3802

Northgate Industrial - Proposed - 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	6.3630	2.5000e-004	0.0271	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0582	0.0582	1.5000e-004		0.0619
Energy	3.8500e-003	0.0350	0.0294	2.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003		41.9617	41.9617	8.0000e-004	7.7000e-004	42.2111
Mobile	3.0828	3.1667	26.2711	0.0552	5.4911	0.0406	5.5317	1.4640	0.0379	1.5019		5,626.0583	5,626.0583	0.3355	0.2472	5,708.1152
Offroad	0.4150	6.1309	52.3199	0.0170		0.1856	0.1856		0.1747	0.1747	0.0000	1,872.8490	1,872.8490	0.6057		1,887.9920
Total	9.8646	9.3328	78.6474	0.0724	5.4911	0.2290	5.7201	1.4640	0.2154	1.6794	0.0000	7,540.9272	7,540.9272	0.9422	0.2480	7,638.3802

	ROG	NOx	CO	SO2	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	10/1/2022	12/31/2022	5	65	
2	Grading	Grading	10/1/2022	3/31/2023	5	130	
3	Building Construction	Building Construction	1/1/2023	12/31/2023	5	260	
4	Paving	Paving	10/1/2023	3/31/2024	5	130	

Northgate Industrial - Proposed - 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	10/1/2023	3/31/2024	5	130
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Acres of Grading (Site Preparation Phase): 65

Acres of Grading (Grading Phase): 65

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 398,529; Non-Residential Outdoor: 132,843; 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	8.00	78	0.48
Site Preparation	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	8.00	231	0.29
Site Preparation	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Forklifts	1	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	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Site Preparation	Scrapers	1	8.00	367	0.48
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Grading	Generator Sets	1	8.00	84	0.74
Paving	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Northgate Industrial - Proposed - Sacramento County, Summer

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

Site Preparation	Skid Steer Loaders	1	8.00	65	0.37
Grading	Skid Steer Loaders	1	8.00	65	0.37
Grading	Rollers	1	8.00	80	0.38
Paving	Surfacing Equipment	1	8.00	263	0.30

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	5	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	30.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	120.00	49.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	30.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Northgate Industrial - Proposed - 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 On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	1.5908	16.3028	16.9746	0.0322		0.7086	0.7086		0.6637	0.6637		3,104.013 1	3,104.013 1	0.8320		3,124.813 1
Total	1.5908	16.3028	16.9746	0.0322	1.0605	0.7086	1.7691	0.1145	0.6637	0.7782		3,104.013 1	3,104.013 1	0.8320		3,124.813 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	0.0000	0.0000	0.0000	0.0000	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

Northgate Industrial - Proposed - 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 On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.4772	0.0000	0.4772	0.0515	0.0000	0.0515			0.0000			0.0000
Off-Road	1.5908	16.3028	16.9746	0.0322		0.7086	0.7086		0.6637	0.6637	0.0000	3,104.013 1	3,104.013 1	0.8320		3,124.813 1
Total	1.5908	16.3028	16.9746	0.0322	0.4772	0.7086	1.1858	0.0515	0.6637	0.7152	0.0000	3,104.013 1	3,104.013 1	0.8320		3,124.813 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	0.0000	0.0000	0.0000	0.0000	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

Northgate Industrial - Proposed - 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 - 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					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.1432	12.4904	10.8541	0.0210		0.5368	0.5368		0.5056	0.5056		2,016.0254	2,016.0254	0.4801		2,028.0285
Total	1.1432	12.4904	10.8541	0.0210	0.5303	0.5368	1.0671	0.0573	0.5056	0.5629		2,016.0254	2,016.0254	0.4801		2,028.0285

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.1087	0.0549	0.8860	2.1600e-003	0.2282	1.2400e-003	0.2295	0.0605	1.1400e-003	0.0617		217.8164	217.8164	6.5100e-003	5.6700e-003	219.6673
Total	0.1087	0.0549	0.8860	2.1600e-003	0.2282	1.2400e-003	0.2295	0.0605	1.1400e-003	0.0617		217.8164	217.8164	6.5100e-003	5.6700e-003	219.6673

Northgate Industrial - Proposed - 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 - 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					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	1.1432	12.4904	10.8541	0.0210		0.5368	0.5368		0.5056	0.5056	0.0000	2,016.0254	2,016.0254	0.4801		2,028.0284
Total	1.1432	12.4904	10.8541	0.0210	0.2386	0.5368	0.7754	0.0258	0.5056	0.5314	0.0000	2,016.0254	2,016.0254	0.4801		2,028.0284

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.1087	0.0549	0.8860	2.1600e-003	0.2282	1.2400e-003	0.2295	0.0605	1.1400e-003	0.0617		217.8164	217.8164	6.5100e-003	5.6700e-003	219.6673
Total	0.1087	0.0549	0.8860	2.1600e-003	0.2282	1.2400e-003	0.2295	0.0605	1.1400e-003	0.0617		217.8164	217.8164	6.5100e-003	5.6700e-003	219.6673

Northgate Industrial - Proposed - 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					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.0573	11.3552	10.8019	0.0210		0.4714	0.4714		0.4440	0.4440		2,016.0376	2,016.0376	0.4779		2,027.9859
Total	1.0573	11.3552	10.8019	0.0210	0.5303	0.4714	1.0017	0.0573	0.4440	0.5012		2,016.0376	2,016.0376	0.4779		2,027.9859

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.1010	0.0485	0.8154	2.0900e-003	0.2282	1.1700e-003	0.2294	0.0605	1.0800e-003	0.0616		210.8658	210.8658	5.8600e-003	5.2400e-003	212.5748
Total	0.1010	0.0485	0.8154	2.0900e-003	0.2282	1.1700e-003	0.2294	0.0605	1.0800e-003	0.0616		210.8658	210.8658	5.8600e-003	5.2400e-003	212.5748

Northgate Industrial - Proposed - 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					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	1.0573	11.3552	10.8019	0.0210		0.4714	0.4714		0.4440	0.4440	0.0000	2,016.0376	2,016.0376	0.4779		2,027.9859
Total	1.0573	11.3552	10.8019	0.0210	0.2386	0.4714	0.7101	0.0258	0.4440	0.4697	0.0000	2,016.0376	2,016.0376	0.4779		2,027.9859

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.1010	0.0485	0.8154	2.0900e-003	0.2282	1.1700e-003	0.2294	0.0605	1.0800e-003	0.0616		210.8658	210.8658	5.8600e-003	5.2400e-003	212.5748
Total	0.1010	0.0485	0.8154	2.0900e-003	0.2282	1.1700e-003	0.2294	0.0605	1.0800e-003	0.0616		210.8658	210.8658	5.8600e-003	5.2400e-003	212.5748

Northgate Industrial - Proposed - 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	1.5583	14.0610	15.6629	0.0282		0.6418	0.6418		0.6159	0.6159		2,661.6469	2,661.6469	0.4693		2,673.3787
Total	1.5583	14.0610	15.6629	0.0282		0.6418	0.6418		0.6159	0.6159		2,661.6469	2,661.6469	0.4693		2,673.3787

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0656	2.2689	0.7063	9.3400e-003	0.2952	0.0127	0.3079	0.0850	0.0121	0.0971		1,001.4827	1,001.4827	0.0248	0.1468	1,045.8488
Worker	0.4041	0.1942	3.2616	8.3400e-003	0.9128	4.6900e-003	0.9175	0.2421	4.3200e-003	0.2465		843.4631	843.4631	0.0234	0.0210	850.2991
Total	0.4697	2.4630	3.9679	0.0177	1.2081	0.0174	1.2254	0.3271	0.0164	0.3436		1,844.9457	1,844.9457	0.0482	0.1678	1,896.1478

Northgate Industrial - Proposed - 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	1.5583	14.0610	15.6629	0.0282		0.6418	0.6418		0.6159	0.6159	0.0000	2,661.6469	2,661.6469	0.4693		2,673.3787
Total	1.5583	14.0610	15.6629	0.0282		0.6418	0.6418		0.6159	0.6159	0.0000	2,661.6469	2,661.6469	0.4693		2,673.3787

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0656	2.2689	0.7063	9.3400e-003	0.2952	0.0127	0.3079	0.0850	0.0121	0.0971		1,001.4827	1,001.4827	0.0248	0.1468	1,045.8488
Worker	0.4041	0.1942	3.2616	8.3400e-003	0.9128	4.6900e-003	0.9175	0.2421	4.3200e-003	0.2465		843.4631	843.4631	0.0234	0.0210	850.2991
Total	0.4697	2.4630	3.9679	0.0177	1.2081	0.0174	1.2254	0.3271	0.0164	0.3436		1,844.9457	1,844.9457	0.0482	0.1678	1,896.1478

Northgate Industrial - Proposed - 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 - 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	1.0061	9.8750	12.5883	0.0248		0.4612	0.4612		0.4345	0.4345		2,384.6528	2,384.6528	0.5972		2,399.5816
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0061	9.8750	12.5883	0.0248		0.4612	0.4612		0.4345	0.4345		2,384.6528	2,384.6528	0.5972		2,399.5816

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.1010	0.0485	0.8154	2.0900e-003	0.2282	1.1700e-003	0.2294	0.0605	1.0800e-003	0.0616		210.8658	210.8658	5.8600e-003	5.2400e-003	212.5748
Total	0.1010	0.0485	0.8154	2.0900e-003	0.2282	1.1700e-003	0.2294	0.0605	1.0800e-003	0.0616		210.8658	210.8658	5.8600e-003	5.2400e-003	212.5748

Northgate Industrial - Proposed - 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 - 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	1.0061	9.8750	12.5883	0.0248		0.4612	0.4612		0.4345	0.4345	0.0000	2,384.6528	2,384.6528	0.5972		2,399.5816
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0061	9.8750	12.5883	0.0248		0.4612	0.4612		0.4345	0.4345	0.0000	2,384.6528	2,384.6528	0.5972		2,399.5816

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.1010	0.0485	0.8154	2.0900e-003	0.2282	1.1700e-003	0.2294	0.0605	1.0800e-003	0.0616		210.8658	210.8658	5.8600e-003	5.2400e-003	212.5748
Total	0.1010	0.0485	0.8154	2.0900e-003	0.2282	1.1700e-003	0.2294	0.0605	1.0800e-003	0.0616		210.8658	210.8658	5.8600e-003	5.2400e-003	212.5748

Northgate Industrial - Proposed - 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 - 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	0.9662	9.3734	12.6098	0.0248		0.4232	0.4232		0.3982	0.3982		2,384.4630	2,384.4630	0.5949		2,399.3355
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9662	9.3734	12.6098	0.0248		0.4232	0.4232		0.3982	0.3982		2,384.4630	2,384.4630	0.5949		2,399.3355

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0943	0.0432	0.7556	2.0200e-003	0.2282	1.1100e-003	0.2293	0.0605	1.0300e-003	0.0616		203.9259	203.9259	5.2900e-003	4.8800e-003	205.5118
Total	0.0943	0.0432	0.7556	2.0200e-003	0.2282	1.1100e-003	0.2293	0.0605	1.0300e-003	0.0616		203.9259	203.9259	5.2900e-003	4.8800e-003	205.5118

Northgate Industrial - Proposed - 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 - 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	0.9662	9.3734	12.6098	0.0248		0.4232	0.4232		0.3982	0.3982	0.0000	2,384.4630	2,384.4630	0.5949		2,399.3355
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9662	9.3734	12.6098	0.0248		0.4232	0.4232		0.3982	0.3982	0.0000	2,384.4630	2,384.4630	0.5949		2,399.3355

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0943	0.0432	0.7556	2.0200e-003	0.2282	1.1100e-003	0.2293	0.0605	1.0300e-003	0.0616		203.9259	203.9259	5.2900e-003	4.8800e-003	205.5118
Total	0.0943	0.0432	0.7556	2.0200e-003	0.2282	1.1100e-003	0.2293	0.0605	1.0300e-003	0.0616		203.9259	203.9259	5.2900e-003	4.8800e-003	205.5118

Northgate Industrial - Proposed - 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 - 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					
Archit. Coating	18.9455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253
Total	19.2010	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0741	0.0356	0.5980	1.5300e-003	0.1674	8.6000e-004	0.1682	0.0444	7.9000e-004	0.0452		154.6349	154.6349	4.3000e-003	3.8500e-003	155.8882
Total	0.0741	0.0356	0.5980	1.5300e-003	0.1674	8.6000e-004	0.1682	0.0444	7.9000e-004	0.0452		154.6349	154.6349	4.3000e-003	3.8500e-003	155.8882

Northgate Industrial - Proposed - 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 - 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					
Archit. Coating	18.9455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253
Total	19.2010	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0741	0.0356	0.5980	1.5300e-003	0.1674	8.6000e-004	0.1682	0.0444	7.9000e-004	0.0452		154.6349	154.6349	4.3000e-003	3.8500e-003	155.8882
Total	0.0741	0.0356	0.5980	1.5300e-003	0.1674	8.6000e-004	0.1682	0.0444	7.9000e-004	0.0452		154.6349	154.6349	4.3000e-003	3.8500e-003	155.8882

Northgate Industrial - Proposed - 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 - 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					
Archit. Coating	18.9455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2410	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812		375.2641	375.2641	0.0211		375.7923
Total	19.1865	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812		375.2641	375.2641	0.0211		375.7923

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0692	0.0317	0.5541	1.4800e-003	0.1674	8.2000e-004	0.1682	0.0444	7.5000e-004	0.0451		149.5457	149.5457	3.8800e-003	3.5800e-003	150.7087
Total	0.0692	0.0317	0.5541	1.4800e-003	0.1674	8.2000e-004	0.1682	0.0444	7.5000e-004	0.0451		149.5457	149.5457	3.8800e-003	3.5800e-003	150.7087

Northgate Industrial - Proposed - 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 - 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					
Archit. Coating	18.9455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2410	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812	0.0000	375.2641	375.2641	0.0211		375.7923
Total	19.1865	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812	0.0000	375.2641	375.2641	0.0211		375.7923

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0692	0.0317	0.5541	1.4800e-003	0.1674	8.2000e-004	0.1682	0.0444	7.5000e-004	0.0451		149.5457	149.5457	3.8800e-003	3.5800e-003	150.7087
Total	0.0692	0.0317	0.5541	1.4800e-003	0.1674	8.2000e-004	0.1682	0.0444	7.5000e-004	0.0451		149.5457	149.5457	3.8800e-003	3.5800e-003	150.7087

Northgate Industrial - Proposed - 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	3.0828	3.1667	26.2711	0.0552	5.4911	0.0406	5.5317	1.4640	0.0379	1.5019		5,626.058 3	5,626.058 3	0.3355	0.2472	5,708.115 2
Unmitigated	3.0828	3.1667	26.2711	0.0552	5.4911	0.0406	5.5317	1.4640	0.0379	1.5019		5,626.058 3	5,626.058 3	0.3355	0.2472	5,708.115 2

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	895.36	895.36	895.36	2,603,990	2,603,990
Total	895.36	895.36	895.36	2,603,990	2,603,990

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
Unrefrigerated Warehouse-No Rail	10.00	5.00	6.50	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.542485	0.056811	0.183752	0.130945	0.025591	0.005989	0.013266	0.009393	0.000917	0.000565	0.025954	0.000983	0.003351

Northgate Industrial - Proposed - Sacramento County, Summer

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

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	3.8500e-003	0.0350	0.0294	2.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003		41.9617	41.9617	8.0000e-004	7.7000e-004	42.2111
NaturalGas Unmitigated	3.8500e-003	0.0350	0.0294	2.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003		41.9617	41.9617	8.0000e-004	7.7000e-004	42.2111

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	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	356.674	3.8500e-003	0.0350	0.0294	2.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003		41.9617	41.9617	8.0000e-004	7.7000e-004	42.2111
Total		3.8500e-003	0.0350	0.0294	2.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003		41.9617	41.9617	8.0000e-004	7.7000e-004	42.2111

Northgate Industrial - Proposed - 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 - Natural Gas

Mitigated

	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				
Unrefrigerated Warehouse-No Rail	0.356674	3.8500e-003	0.0350	0.0294	2.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003		41.9617	41.9617	8.0000e-004	7.7000e-004	42.2111
Total		3.8500e-003	0.0350	0.0294	2.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003		41.9617	41.9617	8.0000e-004	7.7000e-004	42.2111

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	6.3630	2.5000e-004	0.0271	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0582	0.0582	1.5000e-004		0.0619
Unmitigated	6.3630	2.5000e-004	0.0271	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0582	0.0582	1.5000e-004		0.0619

Northgate Industrial - Proposed - 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

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	0.6748					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6857					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.5000e-003	2.5000e-004	0.0271	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0582	0.0582	1.5000e-004		0.0619
Total	6.3630	2.5000e-004	0.0271	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0582	0.0582	1.5000e-004		0.0619

Northgate Industrial - Proposed - 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	0.6748					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6857					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.5000e-003	2.5000e-004	0.0271	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0582	0.0582	1.5000e-004		0.0619
Total	6.3630	2.5000e-004	0.0271	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0582	0.0582	1.5000e-004		0.0619

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
Forklifts	5	8.00	365	89	0.20	CNG
Off-Highway Tractors	2	8.00	365	124	0.44	Diesel

Northgate Industrial - Proposed - Sacramento County, Summer

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

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					
Forklifts	0.0672	3.2816	46.3523	7.6800e-003		0.0495	0.0495		0.0495	0.0495	0.0000	971.6634	971.6634	0.3143		979.5198
Off-Highway Tractors	0.3478	2.8493	5.9676	9.3100e-003		0.1362	0.1362		0.1253	0.1253	0.0000	901.1857	901.1857	0.2915		908.4722
Total	0.4150	6.1309	52.3199	0.0170		0.1856	0.1856		0.1747	0.1747	0.0000	1,872.8490	1,872.8490	0.6057		1,887.9920

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
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

