

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Annual

**City Sacramento Groundwater Master Plan EIR - Operational
Sacramento County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	1,656.00	1000sqft	38.02	1,656,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2022
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	447.24	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - the climate registry 2020 utility-specific co2 emission factors

Land Use -

Construction Phase -

Off-road Equipment - ops emissions only

Trips and VMT - ops emissions only

Vehicle Trips - avg one trip per well per day

Consumer Products - no parking lot degreasing or cleaning

Area Coating - no onsite coatings

Energy Use - no lighting, natural gas

Water And Wastewater - no net new water use

Solid Waste - no solid waste

Stationary Sources - Emergency Generators and Fire Pumps -

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Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	828000	0
tblAreaCoating	Area_Nonresidential_Interior	2484000	0
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblEnergyUse	LightingElect	1.85	0.00
tblEnergyUse	NT24E	13.70	5.89
tblEnergyUse	NT24NG	0.63	0.00
tblEnergyUse	T24E	0.46	0.00
tblEnergyUse	T24NG	0.83	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	590.31	447.24
tblSolidWaste	SolidWasteGenerationRate	1,556.64	0.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	115.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	24.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	38.00
tblVehicleTrips	ST_TR	1.68	0.03
tblVehicleTrips	SU_TR	1.68	0.03
tblVehicleTrips	WD_TR	1.68	0.03
tblWater	IndoorWaterUseRate	382,950,000.00	0.00

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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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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	1.9700e-003	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0411	0.0411	1.1000e-004	0.0000	0.0438
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1,978.7094	1,978.7094	0.1283	0.0266	1,989.8275
Mobile	0.0127	0.0567	0.1568	5.1000e-004	0.0449	4.5000e-004	0.0453	0.0120	4.2000e-004	0.0125	0.0000	47.0964	47.0964	2.1800e-003	0.0000	47.1509
Stationary	0.0861	0.2405	0.3123	4.1000e-004		0.0127	0.0127		0.0127	0.0127	0.0000	39.9380	39.9380	5.6000e-003	0.0000	40.0780
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1007	0.2975	0.4902	9.2000e-004	0.0449	0.0132	0.0581	0.0120	0.0132	0.0252	0.0000	2,065.7848	2,065.7848	0.1362	0.0266	2,077.1003

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.9700e-003	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0411	0.0411	1.1000e-004	0.0000	0.0438
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1,978.7094	1,978.7094	0.1283	0.0266	1,989.8275
Mobile	0.0127	0.0567	0.1568	5.1000e-004	0.0449	4.5000e-004	0.0453	0.0120	4.2000e-004	0.0125	0.0000	47.0964	47.0964	2.1800e-003	0.0000	47.1509
Stationary	0.0861	0.2405	0.3123	4.1000e-004		0.0127	0.0127		0.0127	0.0127	0.0000	39.9380	39.9380	5.6000e-003	0.0000	40.0780
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1007	0.2975	0.4902	9.2000e-004	0.0449	0.0132	0.0581	0.0120	0.0132	0.0252	0.0000	2,065.7848	2,065.7848	0.1362	0.0266	2,077.1003

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/4/2021	3/12/2021	5	50	

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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	0	0.00	158	0.38
Demolition	Concrete/Industrial Saws	0	0.00	81	0.73
Demolition	Rubber Tired Dozers	0	0.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

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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	0.0127	0.0567	0.1568	5.1000e-004	0.0449	4.5000e-004	0.0453	0.0120	4.2000e-004	0.0125	0.0000	47.0964	47.0964	2.1800e-003	0.0000	47.1509
Unmitigated	0.0127	0.0567	0.1568	5.1000e-004	0.0449	4.5000e-004	0.0453	0.0120	4.2000e-004	0.0125	0.0000	47.0964	47.0964	2.1800e-003	0.0000	47.1509

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-No Rail	41.40	41.40	41.40	120,404	120,404
Total	41.40	41.40	41.40	120,404	120,404

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
Refrigerated Warehouse-No	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
Refrigerated Warehouse-No Rail	0.559527	0.038733	0.206173	0.118029	0.019040	0.005245	0.018552	0.023249	0.002031	0.002054	0.005884	0.000619	0.000865

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Refrigerated Warehouse-No Rail	9.75384e+006	1,978.7094	0.1283	0.0266	1,989.8275
Total		1,978.7094	0.1283	0.0266	1,989.8275

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Refrigerated Warehouse-No Rail	9.75384e+006	1,978.7094	0.1283	0.0266	1,989.8275
Total		1,978.7094	0.1283	0.0266	1,989.8275

6.0 Area Detail

6.1 Mitigation Measures Area

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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
Category	tons/yr										MT/yr					
Mitigated	1.9700e-003	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0411	0.0411	1.1000e-004	0.0000	0.0438
Unmitigated	1.9700e-003	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0411	0.0411	1.1000e-004	0.0000	0.0438

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.9700e-003	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0411	0.0411	1.1000e-004	0.0000	0.0438
Total	1.9700e-003	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0411	0.0411	1.1000e-004	0.0000	0.0438

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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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.9700e-003	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0411	0.0411	1.1000e-004	0.0000	0.0438
Total	1.9700e-003	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0411	0.0411	1.1000e-004	0.0000	0.0438

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	38	0	24	115	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (100 - 175 HP)	0.0861	0.2405	0.3123	4.1000e-004		0.0127	0.0127		0.0127	0.0127	0.0000	39.9380	39.9380	5.6000e-003	0.0000	40.0780
Total	0.0861	0.2405	0.3123	4.1000e-004		0.0127	0.0127		0.0127	0.0127	0.0000	39.9380	39.9380	5.6000e-003	0.0000	40.0780

11.0 Vegetation

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Summer

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Sacramento County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	1,656.00	1000sqft	38.02	1,656,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2022
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	447.24	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Summer

Project Characteristics - the climate registry 2020 utility-specific co2 emission factors

Land Use -

Construction Phase -

Off-road Equipment - ops emissions only

Trips and VMT - ops emissions only

Vehicle Trips - avg one trip per well per day

Consumer Products - no parking lot degreasing or cleaning

Area Coating - no onsite coatings

Energy Use - no lighting, natural gas

Water And Wastewater - no net new water use

Solid Waste - no solid waste

Stationary Sources - Emergency Generators and Fire Pumps -

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Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	828000	0
tblAreaCoating	Area_Nonresidential_Interior	2484000	0
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblEnergyUse	LightingElect	1.85	0.00
tblEnergyUse	NT24E	13.70	5.89
tblEnergyUse	NT24NG	0.63	0.00
tblEnergyUse	T24E	0.46	0.00
tblEnergyUse	T24NG	0.83	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	590.31	447.24
tblSolidWaste	SolidWasteGenerationRate	1,556.64	0.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	115.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	24.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	38.00
tblVehicleTrips	ST_TR	1.68	0.03
tblVehicleTrips	SU_TR	1.68	0.03
tblVehicleTrips	WD_TR	1.68	0.03
tblWater	IndoorWaterUseRate	382,950,000.00	0.00

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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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0158	1.5500e-003	0.1693	1.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004		0.3624	0.3624	9.6000e-004		0.3863
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0872	0.2986	0.9772	3.0500e-003	0.2554	2.4400e-003	0.2578	0.0683	2.2800e-003	0.0706		308.5824	308.5824	0.0136		308.9232
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.1029	0.3001	1.1465	3.0600e-003	0.2554	3.0400e-003	0.2584	0.0683	2.8800e-003	0.0712		308.9448	308.9448	0.0146	0.0000	309.3095

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Summer

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	0.0158	1.5500e-003	0.1693	1.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004		0.3624	0.3624	9.6000e-004		0.3863
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0872	0.2986	0.9772	3.0500e-003	0.2554	2.4400e-003	0.2578	0.0683	2.2800e-003	0.0706		308.5824	308.5824	0.0136		308.9232
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.1029	0.3001	1.1465	3.0600e-003	0.2554	3.0400e-003	0.2584	0.0683	2.8800e-003	0.0712		308.9448	308.9448	0.0146	0.0000	309.3095

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/4/2021	3/12/2021	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Summer

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	0	0.00	158	0.38
Demolition	Concrete/Industrial Saws	0	0.00	81	0.73
Demolition	Rubber Tired Dozers	0	0.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Summer

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Summer

3.2 Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Summer

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	0.0872	0.2986	0.9772	3.0500e-003	0.2554	2.4400e-003	0.2578	0.0683	2.2800e-003	0.0706		308.5824	308.5824	0.0136		308.9232
Unmitigated	0.0872	0.2986	0.9772	3.0500e-003	0.2554	2.4400e-003	0.2578	0.0683	2.2800e-003	0.0706		308.5824	308.5824	0.0136		308.9232

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-No Rail	41.40	41.40	41.40	120,404	120,404
Total	41.40	41.40	41.40	120,404	120,404

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
Refrigerated Warehouse-No	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
Refrigerated Warehouse-No Rail	0.559527	0.038733	0.206173	0.118029	0.019040	0.005245	0.018552	0.023249	0.002031	0.002054	0.005884	0.000619	0.000865

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Summer

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					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0158	1.5500e-003	0.1693	1.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004		0.3624	0.3624	9.6000e-004		0.3863
Unmitigated	0.0158	1.5500e-003	0.1693	1.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004		0.3624	0.3624	9.6000e-004		0.3863

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0158	1.5500e-003	0.1693	1.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004		0.3624	0.3624	9.6000e-004		0.3863
Total	0.0158	1.5500e-003	0.1693	1.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004		0.3624	0.3624	9.6000e-004		0.3863

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Summer

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0158	1.5500e-003	0.1693	1.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004		0.3624	0.3624	9.6000e-004		0.3863
Total	0.0158	1.5500e-003	0.1693	1.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004		0.3624	0.3624	9.6000e-004		0.3863

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	38	0	24	115	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Equipment Type	lb/day										lb/day						
Emergency Generator - Diesel (100 - 175 HP)	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000			0.0000

11.0 Vegetation

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Winter

City Sacramento Groundwater Master Plan EIR - Operational
Sacramento County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	1,656.00	1000sqft	38.02	1,656,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2022
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	447.24	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Winter

Project Characteristics - the climate registry 2020 utility-specific co2 emission factors

Land Use -

Construction Phase -

Off-road Equipment - ops emissions only

Trips and VMT - ops emissions only

Vehicle Trips - avg one trip per well per day

Consumer Products - no parking lot degreasing or cleaning

Area Coating - no onsite coatings

Energy Use - no lighting, natural gas

Water And Wastewater - no net new water use

Solid Waste - no solid waste

Stationary Sources - Emergency Generators and Fire Pumps -

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Winter

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	828000	0
tblAreaCoating	Area_Nonresidential_Interior	2484000	0
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblEnergyUse	LightingElect	1.85	0.00
tblEnergyUse	NT24E	13.70	5.89
tblEnergyUse	NT24NG	0.63	0.00
tblEnergyUse	T24E	0.46	0.00
tblEnergyUse	T24NG	0.83	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	590.31	447.24
tblSolidWaste	SolidWasteGenerationRate	1,556.64	0.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	115.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	24.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	38.00
tblVehicleTrips	ST_TR	1.68	0.03
tblVehicleTrips	SU_TR	1.68	0.03
tblVehicleTrips	WD_TR	1.68	0.03
tblWater	IndoorWaterUseRate	382,950,000.00	0.00

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Winter

	ROG	NOx	CO	SO2	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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0158	1.5500e-003	0.1693	1.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004		0.3624	0.3624	9.6000e-004		0.3863
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0660	0.3210	0.8869	2.7500e-003	0.2554	2.4700e-003	0.2579	0.0683	2.3100e-003	0.0706		278.8178	278.8178	0.0134		279.1533
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0818	0.3226	1.0562	2.7600e-003	0.2554	3.0700e-003	0.2585	0.0683	2.9100e-003	0.0712		279.1802	279.1802	0.0144	0.0000	279.5396

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Winter

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	0.0158	1.5500e-003	0.1693	1.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004		0.3624	0.3624	9.6000e-004		0.3863
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0660	0.3210	0.8869	2.7500e-003	0.2554	2.4700e-003	0.2579	0.0683	2.3100e-003	0.0706		278.8178	278.8178	0.0134		279.1533
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0818	0.3226	1.0562	2.7600e-003	0.2554	3.0700e-003	0.2585	0.0683	2.9100e-003	0.0712		279.1802	279.1802	0.0144	0.0000	279.5396

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/4/2021	3/12/2021	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Winter

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	0	0.00	158	0.38
Demolition	Concrete/Industrial Saws	0	0.00	81	0.73
Demolition	Rubber Tired Dozers	0	0.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Winter

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Winter

3.2 Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Winter

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	0.0660	0.3210	0.8869	2.7500e-003	0.2554	2.4700e-003	0.2579	0.0683	2.3100e-003	0.0706		278.8178	278.8178	0.0134		279.1533
Unmitigated	0.0660	0.3210	0.8869	2.7500e-003	0.2554	2.4700e-003	0.2579	0.0683	2.3100e-003	0.0706		278.8178	278.8178	0.0134		279.1533

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-No Rail	41.40	41.40	41.40	120,404	120,404
Total	41.40	41.40	41.40	120,404	120,404

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
Refrigerated Warehouse-No	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
Refrigerated Warehouse-No Rail	0.559527	0.038733	0.206173	0.118029	0.019040	0.005245	0.018552	0.023249	0.002031	0.002054	0.005884	0.000619	0.000865

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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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					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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					
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

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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
Category	lb/day										lb/day					
Mitigated	0.0158	1.5500e-003	0.1693	1.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004		0.3624	0.3624	9.6000e-004		0.3863
Unmitigated	0.0158	1.5500e-003	0.1693	1.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004		0.3624	0.3624	9.6000e-004		0.3863

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0158	1.5500e-003	0.1693	1.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004		0.3624	0.3624	9.6000e-004		0.3863
Total	0.0158	1.5500e-003	0.1693	1.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004		0.3624	0.3624	9.6000e-004		0.3863

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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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0158	1.5500e-003	0.1693	1.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004		0.3624	0.3624	9.6000e-004		0.3863
Total	0.0158	1.5500e-003	0.1693	1.0000e-005		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004		0.3624	0.3624	9.6000e-004		0.3863

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	38	0	24	115	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
----------------	--------

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Equipment Type	lb/day										lb/day						
Emergency Generator - Diesel (100 - 175 HP)	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000			0.0000

11.0 Vegetation

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**City Sacramento Groundwater Master Plan EIR - Operational
Sacramento County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	1,656.00	1000sqft	38.02	1,656,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2022
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	202.25	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Annual

Project Characteristics - hypothetical 80% carbon free SMUD carbon intensity

Land Use -

Construction Phase -

Off-road Equipment - ops emissions only

Trips and VMT - ops emissions only

Vehicle Trips - avg one trip per well per day

Consumer Products - no parking lot degreasing or cleaning

Area Coating - no onsite coatings

Energy Use - no lighting, natural gas

Water And Wastewater - no net new water use

Solid Waste - no solid waste

Stationary Sources - Emergency Generators and Fire Pumps -

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Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	828000	0
tblAreaCoating	Area_Nonresidential_Interior	2484000	0
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblEnergyUse	LightingElect	1.85	0.00
tblEnergyUse	NT24E	13.70	5.89
tblEnergyUse	NT24NG	0.63	0.00
tblEnergyUse	T24E	0.46	0.00
tblEnergyUse	T24NG	0.83	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	590.31	202.25
tblSolidWaste	SolidWasteGenerationRate	1,556.64	0.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	115.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	24.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	38.00
tblVehicleTrips	ST_TR	1.68	0.03
tblVehicleTrips	SU_TR	1.68	0.03
tblVehicleTrips	WD_TR	1.68	0.03
tblWater	IndoorWaterUseRate	382,950,000.00	0.00

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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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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	1.9700e-003	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0411	0.0411	1.1000e-004	0.0000	0.0438
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	894.8081	894.8081	0.1283	0.0266	905.9263
Mobile	0.0127	0.0567	0.1568	5.1000e-004	0.0449	4.5000e-004	0.0453	0.0120	4.2000e-004	0.0125	0.0000	47.0964	47.0964	2.1800e-003	0.0000	47.1509
Stationary	0.0861	0.2405	0.3123	4.1000e-004		0.0127	0.0127		0.0127	0.0127	0.0000	39.9380	39.9380	5.6000e-003	0.0000	40.0780
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1007	0.2975	0.4902	9.2000e-004	0.0449	0.0132	0.0581	0.0120	0.0132	0.0252	0.0000	981.8835	981.8835	0.1362	0.0266	993.1990

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.9700e-003	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0411	0.0411	1.1000e-004	0.0000	0.0438
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	894.8081	894.8081	0.1283	0.0266	905.9263
Mobile	0.0127	0.0567	0.1568	5.1000e-004	0.0449	4.5000e-004	0.0453	0.0120	4.2000e-004	0.0125	0.0000	47.0964	47.0964	2.1800e-003	0.0000	47.1509
Stationary	0.0861	0.2405	0.3123	4.1000e-004		0.0127	0.0127		0.0127	0.0127	0.0000	39.9380	39.9380	5.6000e-003	0.0000	40.0780
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1007	0.2975	0.4902	9.2000e-004	0.0449	0.0132	0.0581	0.0120	0.0132	0.0252	0.0000	981.8835	981.8835	0.1362	0.0266	993.1990

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/4/2021	3/12/2021	5	50	

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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	0	0.00	158	0.38
Demolition	Concrete/Industrial Saws	0	0.00	81	0.73
Demolition	Rubber Tired Dozers	0	0.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

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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	0.0127	0.0567	0.1568	5.1000e-004	0.0449	4.5000e-004	0.0453	0.0120	4.2000e-004	0.0125	0.0000	47.0964	47.0964	2.1800e-003	0.0000	47.1509
Unmitigated	0.0127	0.0567	0.1568	5.1000e-004	0.0449	4.5000e-004	0.0453	0.0120	4.2000e-004	0.0125	0.0000	47.0964	47.0964	2.1800e-003	0.0000	47.1509

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Refrigerated Warehouse-No Rail	41.40	41.40	41.40	120,404	120,404
Total	41.40	41.40	41.40	120,404	120,404

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
Refrigerated Warehouse-No	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
Refrigerated Warehouse-No Rail	0.559527	0.038733	0.206173	0.118029	0.019040	0.005245	0.018552	0.023249	0.002031	0.002054	0.005884	0.000619	0.000865

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Refrigerated Warehouse-No Rail	9.75384e+006	894.8081	0.1283	0.0266	905.9263
Total		894.8081	0.1283	0.0266	905.9263

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Refrigerated Warehouse-No Rail	9.75384e+006	894.8081	0.1283	0.0266	905.9263
Total		894.8081	0.1283	0.0266	905.9263

6.0 Area Detail

6.1 Mitigation Measures Area

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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
Category	tons/yr										MT/yr					
Mitigated	1.9700e-003	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0411	0.0411	1.1000e-004	0.0000	0.0438
Unmitigated	1.9700e-003	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0411	0.0411	1.1000e-004	0.0000	0.0438

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.9700e-003	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0411	0.0411	1.1000e-004	0.0000	0.0438
Total	1.9700e-003	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0411	0.0411	1.1000e-004	0.0000	0.0438

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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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.9700e-003	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0411	0.0411	1.1000e-004	0.0000	0.0438
Total	1.9700e-003	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0411	0.0411	1.1000e-004	0.0000	0.0438

7.0 Water Detail

7.1 Mitigation Measures Water

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

City Sacramento Groundwater Master Plan EIR - Operational - Sacramento County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	38	0	24	115	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
----------------	--------

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (100 - 175 HP)	0.0861	0.2405	0.3123	4.1000e-004		0.0127	0.0127		0.0127	0.0127	0.0000	39.9380	39.9380	5.6000e-003	0.0000	40.0780
Total	0.0861	0.2405	0.3123	4.1000e-004		0.0127	0.0127		0.0127	0.0127	0.0000	39.9380	39.9380	5.6000e-003	0.0000	40.0780

11.0 Vegetation

City Sacramento Groundwater Master Plan EIR - Sacramento County, Annual

City Sacramento Groundwater Master Plan EIR
Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	44.00	1000sqft	1.01	44,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2022
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use -

Construction Phase - project specific info

Off-road Equipment - project specific info

Off-road Equipment -

Off-road Equipment - project specific info

Off-road Equipment - project specific info.

Off-road Equipment - project specific info

Off-road Equipment - project specific info.

Off-road Equipment - project specific info

Off-road Equipment - project specific info

Off-road Equipment - project info

Off-road Equipment -

Demolition -

Trips and VMT - project info

Vehicle Trips - project info

Area Coating - project info

Energy Use - project info

Water And Wastewater - project info

Solid Waste - project info

Stationary Sources - Emergency Generators and Fire Pumps -

Construction Off-road Equipment Mitigation - SMAQMD basic dust control

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	22000	0
tblAreaCoating	Area_Nonresidential_Interior	66000	0
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	5

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tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	200.00	35.00
tblConstructionPhase	NumDays	200.00	28.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	200.00	2.00
tblConstructionPhase	NumDays	200.00	2.00
tblConstructionPhase	NumDays	2.00	10.00
tblConstructionPhase	NumDays	200.00	20.00
tblConstructionPhase	NumDays	200.00	2.00
tblConstructionPhase	NumDays	200.00	150.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	PhaseEndDate	12/13/2021	3/31/2021
tblConstructionPhase	PhaseEndDate	11/15/2021	2/22/2021
tblConstructionPhase	PhaseEndDate	1/29/2021	1/7/2021
tblConstructionPhase	PhaseEndDate	2/8/2021	1/25/2021
tblConstructionPhase	PhaseEndDate	11/29/2021	2/24/2021
tblConstructionPhase	PhaseEndDate	2/2/2021	1/21/2021
tblConstructionPhase	PhaseStartDate	11/30/2021	2/25/2021
tblConstructionPhase	PhaseStartDate	2/9/2021	1/26/2021
tblConstructionPhase	PhaseStartDate	2/3/2021	1/22/2021
tblConstructionPhase	PhaseStartDate	11/16/2021	2/23/2021
tblConstructionPhase	PhaseStartDate	1/30/2021	1/8/2021
tblEnergyUse	LightingElect	1.85	0.00
tblEnergyUse	NT24E	13.70	5.83
tblEnergyUse	NT24NG	0.63	0.00
tblEnergyUse	T24E	0.46	0.00

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tblEnergyUse	T24NG	0.83	0.00
tblGrading	AcresOfGrading	5.00	1.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.38
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tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
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tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
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tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00

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tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblSolidWaste	SolidWasteGenerationRate	41.36	0.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	115.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	40.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	10.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	28.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	7.00	12.00
tblTripsAndVMT	VendorTripNumber	7.00	0.00
tblTripsAndVMT	VendorTripNumber	7.00	0.00
tblTripsAndVMT	VendorTripNumber	7.00	0.00
tblTripsAndVMT	VendorTripNumber	7.00	0.00
tblTripsAndVMT	VendorTripNumber	7.00	10.00
tblTripsAndVMT	VendorTripNumber	7.00	2.00
tblVehicleTrips	ST_TR	1.68	0.10
tblVehicleTrips	SU_TR	1.68	0.10
tblVehicleTrips	WD_TR	1.68	0.10
tblWater	IndoorWaterUseRate	10,175,000.00	0.00

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2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3113	2.5094	2.1748	5.3800e-003	0.0460	0.1102	0.1562	0.0195	0.1053	0.1249	0.0000	461.9460	461.9460	0.1093	0.0000	464.6777
Maximum	0.3113	2.5094	2.1748	5.3800e-003	0.0460	0.1102	0.1562	0.0195	0.1053	0.1249	0.0000	461.9460	461.9460	0.1093	0.0000	464.6777

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					
2021	0.3113	2.5094	2.1748	5.3800e-003	0.0299	0.1102	0.1400	0.0113	0.1053	0.1166	0.0000	461.9455	461.9455	0.1093	0.0000	464.6772
Maximum	0.3113	2.5094	2.1748	5.3800e-003	0.0299	0.1102	0.1400	0.0113	0.1053	0.1166	0.0000	461.9455	461.9455	0.1093	0.0000	464.6772

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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	35.08	0.00	10.34	42.35	0.00	6.63	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-4-2021	4-3-2021	1.3907	1.3907
2	4-4-2021	7-3-2021	0.4697	0.4697
3	7-4-2021	9-30-2021	0.5440	0.5440
		Highest	1.3907	1.3907

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1719	1.0000e-005	5.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0900e-003	1.0900e-003	0.0000	0.0000	1.1600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	68.6858	68.6858	3.3700e-003	7.0000e-004	68.9782
Mobile	1.3500e-003	6.0300e-003	0.0167	5.0000e-005	4.7700e-003	5.0000e-005	4.8200e-003	1.2800e-003	4.0000e-005	1.3200e-003	0.0000	5.0054	5.0054	2.3000e-004	0.0000	5.0112
Stationary	3.7700e-003	0.0106	0.0137	2.0000e-005		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004	0.0000	1.7517	1.7517	2.5000e-004	0.0000	1.7578
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1770	0.0166	0.0309	7.0000e-005	4.7700e-003	6.1000e-004	5.3800e-003	1.2800e-003	6.0000e-004	1.8800e-003	0.0000	75.4440	75.4440	3.8500e-003	7.0000e-004	75.7484

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1719	1.0000e-005	5.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0900e-003	1.0900e-003	0.0000	0.0000	1.1600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	68.6858	68.6858	3.3700e-003	7.0000e-004	68.9782
Mobile	1.3500e-003	6.0300e-003	0.0167	5.0000e-005	4.7700e-003	5.0000e-005	4.8200e-003	1.2800e-003	4.0000e-005	1.3200e-003	0.0000	5.0054	5.0054	2.3000e-004	0.0000	5.0112
Stationary	3.7700e-003	0.0106	0.0137	2.0000e-005		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004	0.0000	1.7517	1.7517	2.5000e-004	0.0000	1.7578
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1770	0.0166	0.0309	7.0000e-005	4.7700e-003	6.1000e-004	5.3800e-003	1.2800e-003	6.0000e-004	1.8800e-003	0.0000	75.4440	75.4440	3.8500e-003	7.0000e-004	75.7484

	ROG	NOx	CO	SO2	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

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Well Destruction/Demolition	Demolition	1/4/2021	1/7/2021	5	4	
2	Site Preparation	Site Preparation	1/8/2021	1/21/2021	5	10	
3	Mobilization	Building Construction	1/22/2021	1/25/2021	5	2	
4	Test Well Drilling	Building Construction	1/26/2021	2/22/2021	7	28	
5	Test Well Testing	Building Construction	2/23/2021	2/24/2021	5	2	
6	Production Well Drilling/Construction	Building Construction	2/25/2021	3/31/2021	7	35	
7	Production Well Development/Testing	Building Construction	4/1/2021	4/28/2021	5	20	
8	Demobilization	Building Construction	4/29/2021	4/30/2021	5	2	
9	Well Equipping Construction	Building Construction	5/3/2021	11/26/2021	5	150	
10	Site Paving/Landscaping	Paving	11/29/2021	12/10/2021	5	10	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Production Well Development/Testing	Welders	0	0.00	46	0.45
Demobilization	Welders	0	0.00	46	0.45
Well Equipping Construction	Welders	3	8.00	46	0.45
Well Destruction/Demolition	Cement and Mortar Mixers	1	8.00	9	0.56
Mobilization	Off-Highway Trucks	1	4.00	402	0.38
Test Well Drilling	Air Compressors	1	8.00	78	0.48

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Test Well Drilling	Bore/Drill Rigs	1	24.00	221	0.50
Test Well Drilling	Off-Highway Trucks	4	8.00	402	0.38
Test Well Testing	Pumps	1	8.00	84	0.74
Test Well Testing	Off-Highway Trucks	1	8.00	402	0.38
Production Well Drilling/Construction	Bore/Drill Rigs	1	24.00	221	0.50
Production Well Drilling/Construction	Off-Highway Trucks	4	8.00	402	0.38
Production Well Drilling/Construction	Pumps	1	8.00	84	0.74
Production Well Development/Testing	Pumps	1	8.00	84	0.74
Production Well Development/Testing	Off-Highway Trucks	1	8.00	402	0.38
Demobilization	Off-Highway Trucks	1	8.00	402	0.38
Well Equipping Construction	Air Compressors	1	8.00	78	0.48
Production Well Drilling/Construction	Air Compressors	1	6.00	78	0.48
Test Well Testing	Cement and Mortar Mixers	0	0.00	9	0.56
Well Destruction/Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Test Well Drilling	Generator Sets	0	0.00	84	0.74
Test Well Drilling	Cranes	0	0.00	231	0.29
Test Well Drilling	Forklifts	0	0.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Test Well Testing	Pavers	0	0.00	130	0.42
Test Well Testing	Rollers	0	0.00	80	0.38
Well Destruction/Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Mobilization	Rubber Tired Dozers	0	0.00	247	0.40
Test Well Drilling	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Well Destruction/Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Mobilization	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Test Well Testing	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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Mobilization	Graders	0	0.00	187	0.41
Test Well Testing	Paving Equipment	0	0.00	132	0.36
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Test Well Drilling	Welders	1	8.00	46	0.45
Site Paving/Landscaping	Cement and Mortar Mixers	1	6.00	9	0.56
Mobilization	Cranes	0	0.00	231	0.29
Test Well Testing	Cranes	0	0.00	231	0.29
Production Well Drilling/Construction	Cranes	0	0.00	231	0.29
Production Well Development/Testing	Cranes	0	0.00	231	0.29
Demobilization	Cranes	0	0.00	231	0.29
Well Equipping Construction	Cranes	1	6.00	231	0.29
Mobilization	Forklifts	0	0.00	89	0.20
Test Well Testing	Forklifts	0	0.00	89	0.20
Production Well Drilling/Construction	Forklifts	0	0.00	89	0.20
Production Well Development/Testing	Forklifts	0	0.00	89	0.20
Demobilization	Forklifts	0	0.00	89	0.20
Well Equipping Construction	Forklifts	0	0.00	89	0.20
Mobilization	Generator Sets	0	0.00	84	0.74
Test Well Testing	Generator Sets	0	0.00	84	0.74
Production Well Drilling/Construction	Generator Sets	0	0.00	84	0.74
Production Well Development/Testing	Generator Sets	0	0.00	84	0.74
Demobilization	Generator Sets	0	0.00	84	0.74
Well Equipping Construction	Generator Sets	1	8.00	84	0.74
Site Paving/Landscaping	Pavers	1	6.00	130	0.42
Site Paving/Landscaping	Paving Equipment	1	8.00	132	0.36
Site Paving/Landscaping	Rollers	1	7.00	80	0.38
Production Well Drilling/Construction	Tractors/Loaders/Backhoes	0	0.00	97	0.37

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Production Well Development/Testing	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Demobilization	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Well Equipping Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Paving/Landscaping	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Mobilization	Welders	0	0.00	46	0.45
Test Well Testing	Welders	0	0.00	46	0.45
Production Well Drilling/Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Well Destruction/Demolition	4	10.00	0.00	2.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	28.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Mobilization	1	18.00	12.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Test Well Drilling	7	18.00	0.00	2.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Test Well Testing	2	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Production Well Drilling/Construction	8	18.00	0.00	6.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Production Well Development/Testing	2	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Demobilization	1	18.00	10.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Well Equipping Construction	7	18.00	2.00	2.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Paving/Landscaping	5	13.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

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3.2 Well Destruction/Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.0800e-003	0.0000	1.0800e-003	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3500e-003	0.0326	0.0206	4.0000e-005		1.6600e-003	1.6600e-003		1.5600e-003	1.5600e-003	0.0000	3.2140	3.2140	7.3000e-004	0.0000	3.2324
Total	3.3500e-003	0.0326	0.0206	4.0000e-005	1.0800e-003	1.6600e-003	2.7400e-003	1.6000e-004	1.5600e-003	1.7200e-003	0.0000	3.2140	3.2140	7.3000e-004	0.0000	3.2324

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	2.6000e-004	6.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0756	0.0756	0.0000	0.0000	0.0757
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	5.0000e-005	5.1000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1257	0.1257	0.0000	0.0000	0.1258
Total	8.0000e-005	3.1000e-004	5.7000e-004	0.0000	1.7000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	5.0000e-005	0.0000	0.2013	0.2013	0.0000	0.0000	0.2015

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3.2 Well Destruction/Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.8000e-004	0.0000	4.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3500e-003	0.0326	0.0206	4.0000e-005		1.6600e-003	1.6600e-003		1.5600e-003	1.5600e-003	0.0000	3.2140	3.2140	7.3000e-004	0.0000	3.2324
Total	3.3500e-003	0.0326	0.0206	4.0000e-005	4.8000e-004	1.6600e-003	2.1400e-003	7.0000e-005	1.5600e-003	1.6300e-003	0.0000	3.2140	3.2140	7.3000e-004	0.0000	3.2324

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	2.6000e-004	6.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0756	0.0756	0.0000	0.0000	0.0757
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	5.0000e-005	5.1000e-004	0.0000	1.4000e-004	0.0000	1.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1257	0.1257	0.0000	0.0000	0.1258
Total	8.0000e-005	3.1000e-004	5.7000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	5.0000e-005	0.0000	0.2013	0.2013	0.0000	0.0000	0.2015

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3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0269	0.0000	0.0269	0.0145	0.0000	0.0145	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7800e-003	0.0871	0.0378	9.0000e-005		3.8300e-003	3.8300e-003		3.5200e-003	3.5200e-003	0.0000	7.5592	7.5592	2.4400e-003	0.0000	7.6203
Total	7.7800e-003	0.0871	0.0378	9.0000e-005	0.0269	3.8300e-003	0.0307	0.0145	3.5200e-003	0.0181	0.0000	7.5592	7.5592	2.4400e-003	0.0000	7.6203

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-004	3.6900e-003	8.4000e-004	1.0000e-005	2.4000e-004	1.0000e-005	2.5000e-004	6.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.0587	1.0587	6.0000e-005	0.0000	1.0603
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	9.0000e-005	1.0100e-003	0.0000	2.9000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2514	0.2514	1.0000e-005	0.0000	0.2516
Total	2.4000e-004	3.7800e-003	1.8500e-003	1.0000e-005	5.3000e-004	1.0000e-005	5.5000e-004	1.4000e-004	1.0000e-005	1.6000e-004	0.0000	1.3102	1.3102	7.0000e-005	0.0000	1.3119

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3.3 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0121	0.0000	0.0121	6.5400e-003	0.0000	6.5400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7800e-003	0.0871	0.0378	9.0000e-005		3.8300e-003	3.8300e-003		3.5200e-003	3.5200e-003	0.0000	7.5592	7.5592	2.4400e-003	0.0000	7.6203
Total	7.7800e-003	0.0871	0.0378	9.0000e-005	0.0121	3.8300e-003	0.0159	6.5400e-003	3.5200e-003	0.0101	0.0000	7.5592	7.5592	2.4400e-003	0.0000	7.6203

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-004	3.6900e-003	8.4000e-004	1.0000e-005	2.3000e-004	1.0000e-005	2.4000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	1.0587	1.0587	6.0000e-005	0.0000	1.0603
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	9.0000e-005	1.0100e-003	0.0000	2.8000e-004	0.0000	2.8000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2514	0.2514	1.0000e-005	0.0000	0.2516
Total	2.4000e-004	3.7800e-003	1.8500e-003	1.0000e-005	5.1000e-004	1.0000e-005	5.2000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	1.3102	1.3102	7.0000e-005	0.0000	1.3119

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3.4 Mobilization - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.0000e-004	2.6400e-003	1.8100e-003	1.0000e-005		1.0000e-004	1.0000e-004		9.0000e-005	9.0000e-005	0.0000	0.5828	0.5828	1.9000e-004	0.0000	0.5875
Total	3.0000e-004	2.6400e-003	1.8100e-003	1.0000e-005		1.0000e-004	1.0000e-004		9.0000e-005	9.0000e-005	0.0000	0.5828	0.5828	1.9000e-004	0.0000	0.5875

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	1.2300e-003	3.3000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2816	0.2816	2.0000e-005	0.0000	0.2820
Worker	6.0000e-005	4.0000e-005	4.6000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1131	0.1131	0.0000	0.0000	0.1132
Total	1.0000e-004	1.2700e-003	7.9000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.3947	0.3947	2.0000e-005	0.0000	0.3952

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3.4 Mobilization - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.0000e-004	2.6400e-003	1.8100e-003	1.0000e-005		1.0000e-004	1.0000e-004		9.0000e-005	9.0000e-005	0.0000	0.5828	0.5828	1.9000e-004	0.0000	0.5875
Total	3.0000e-004	2.6400e-003	1.8100e-003	1.0000e-005		1.0000e-004	1.0000e-004		9.0000e-005	9.0000e-005	0.0000	0.5828	0.5828	1.9000e-004	0.0000	0.5875

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	1.2300e-003	3.3000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2816	0.2816	2.0000e-005	0.0000	0.2820
Worker	6.0000e-005	4.0000e-005	4.6000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1131	0.1131	0.0000	0.0000	0.1132
Total	1.0000e-004	1.2700e-003	7.9000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.3947	0.3947	2.0000e-005	0.0000	0.3952

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3.5 Test Well Drilling - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0533	0.4734	0.3484	1.2300e-003		0.0175	0.0175		0.0164	0.0164	0.0000	107.6028	107.6028	0.0331	0.0000	108.4298
Total	0.0533	0.4734	0.3484	1.2300e-003		0.0175	0.0175		0.0164	0.0164	0.0000	107.6028	107.6028	0.0331	0.0000	108.4298

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	2.6000e-004	6.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0756	0.0756	0.0000	0.0000	0.0757
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.7000e-004	5.7000e-004	6.3800e-003	2.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.5840	1.5840	4.0000e-005	0.0000	1.5851
Total	8.8000e-004	8.3000e-004	6.4400e-003	2.0000e-005	1.8700e-003	1.0000e-005	1.8800e-003	4.9000e-004	1.0000e-005	5.1000e-004	0.0000	1.6596	1.6596	4.0000e-005	0.0000	1.6608

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3.5 Test Well Drilling - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0533	0.4734	0.3484	1.2300e-003		0.0175	0.0175		0.0164	0.0164	0.0000	107.6027	107.6027	0.0331	0.0000	108.4296
Total	0.0533	0.4734	0.3484	1.2300e-003		0.0175	0.0175		0.0164	0.0164	0.0000	107.6027	107.6027	0.0331	0.0000	108.4296

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	2.6000e-004	6.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0756	0.0756	0.0000	0.0000	0.0757
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.7000e-004	5.7000e-004	6.3800e-003	2.0000e-005	1.7700e-003	1.0000e-005	1.7800e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.5840	1.5840	4.0000e-005	0.0000	1.5851
Total	8.8000e-004	8.3000e-004	6.4400e-003	2.0000e-005	1.7900e-003	1.0000e-005	1.8000e-003	4.7000e-004	1.0000e-005	4.9000e-004	0.0000	1.6596	1.6596	4.0000e-005	0.0000	1.6608

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3.6 Test Well Testing - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.9000e-004	8.5000e-003	7.3600e-003	2.0000e-005		3.7000e-004	3.7000e-004		3.6000e-004	3.6000e-004	0.0000	1.7309	1.7309	4.1000e-004	0.0000	1.7411
Total	9.9000e-004	8.5000e-003	7.3600e-003	2.0000e-005		3.7000e-004	3.7000e-004		3.6000e-004	3.6000e-004	0.0000	1.7309	1.7309	4.1000e-004	0.0000	1.7411

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	4.6000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1131	0.1131	0.0000	0.0000	0.1132
Total	6.0000e-005	4.0000e-005	4.6000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1131	0.1131	0.0000	0.0000	0.1132

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3.6 Test Well Testing - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.9000e-004	8.5000e-003	7.3600e-003	2.0000e-005		3.7000e-004	3.7000e-004		3.6000e-004	3.6000e-004	0.0000	1.7309	1.7309	4.1000e-004	0.0000	1.7411
Total	9.9000e-004	8.5000e-003	7.3600e-003	2.0000e-005		3.7000e-004	3.7000e-004		3.6000e-004	3.6000e-004	0.0000	1.7309	1.7309	4.1000e-004	0.0000	1.7411

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	4.6000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1131	0.1131	0.0000	0.0000	0.1132
Total	6.0000e-005	4.0000e-005	4.6000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1131	0.1131	0.0000	0.0000	0.1132

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3.7 Production Well Drilling/Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0720	0.6391	0.4903	1.6400e-003		0.0245	0.0245		0.0230	0.0230	0.0000	142.9053	142.9053	0.0418	0.0000	143.9499
Total	0.0720	0.6391	0.4903	1.6400e-003		0.0245	0.0245		0.0230	0.0230	0.0000	142.9053	142.9053	0.0418	0.0000	143.9499

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	7.9000e-004	1.8000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2269	0.2269	1.0000e-005	0.0000	0.2272
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0900e-003	7.1000e-004	7.9700e-003	2.0000e-005	2.3100e-003	2.0000e-005	2.3300e-003	6.2000e-004	1.0000e-005	6.3000e-004	0.0000	1.9800	1.9800	5.0000e-005	0.0000	1.9813
Total	1.1100e-003	1.5000e-003	8.1500e-003	2.0000e-005	2.3600e-003	2.0000e-005	2.3800e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.2069	2.2069	6.0000e-005	0.0000	2.2085

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3.7 Production Well Drilling/Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0720	0.6391	0.4903	1.6400e-003		0.0245	0.0245		0.0230	0.0230	0.0000	142.9051	142.9051	0.0418	0.0000	143.9497
Total	0.0720	0.6391	0.4903	1.6400e-003		0.0245	0.0245		0.0230	0.0230	0.0000	142.9051	142.9051	0.0418	0.0000	143.9497

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	7.9000e-004	1.8000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2269	0.2269	1.0000e-005	0.0000	0.2272
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0900e-003	7.1000e-004	7.9700e-003	2.0000e-005	2.2100e-003	2.0000e-005	2.2300e-003	5.9000e-004	1.0000e-005	6.1000e-004	0.0000	1.9800	1.9800	5.0000e-005	0.0000	1.9813
Total	1.1100e-003	1.5000e-003	8.1500e-003	2.0000e-005	2.2600e-003	2.0000e-005	2.2800e-003	6.0000e-004	1.0000e-005	6.3000e-004	0.0000	2.2069	2.2069	6.0000e-005	0.0000	2.2085

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3.8 Production Well Development/Testing - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.8900e-003	0.0850	0.0736	2.0000e-004		3.7200e-003	3.7200e-003		3.5600e-003	3.5600e-003	0.0000	17.3086	17.3086	4.0800e-003	0.0000	17.4106
Total	9.8900e-003	0.0850	0.0736	2.0000e-004		3.7200e-003	3.7200e-003		3.5600e-003	3.5600e-003	0.0000	17.3086	17.3086	4.0800e-003	0.0000	17.4106

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2000e-004	4.1000e-004	4.5600e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.1314	1.1314	3.0000e-005	0.0000	1.1322
Total	6.2000e-004	4.1000e-004	4.5600e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.1314	1.1314	3.0000e-005	0.0000	1.1322

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3.8 Production Well Development/Testing - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.8900e-003	0.0850	0.0736	2.0000e-004		3.7200e-003	3.7200e-003		3.5600e-003	3.5600e-003	0.0000	17.3086	17.3086	4.0800e-003	0.0000	17.4106
Total	9.8900e-003	0.0850	0.0736	2.0000e-004		3.7200e-003	3.7200e-003		3.5600e-003	3.5600e-003	0.0000	17.3086	17.3086	4.0800e-003	0.0000	17.4106

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2000e-004	4.1000e-004	4.5600e-003	1.0000e-005	1.2600e-003	1.0000e-005	1.2700e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.1314	1.1314	3.0000e-005	0.0000	1.1322
Total	6.2000e-004	4.1000e-004	4.5600e-003	1.0000e-005	1.2600e-003	1.0000e-005	1.2700e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.1314	1.1314	3.0000e-005	0.0000	1.1322

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3.9 Demobilization - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.1000e-004	5.2900e-003	3.6200e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.8000e-004	1.8000e-004	0.0000	1.1657	1.1657	3.8000e-004	0.0000	1.1751
Total	6.1000e-004	5.2900e-003	3.6200e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.8000e-004	1.8000e-004	0.0000	1.1657	1.1657	3.8000e-004	0.0000	1.1751

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	1.0200e-003	2.7000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2346	0.2346	1.0000e-005	0.0000	0.2350
Worker	6.0000e-005	4.0000e-005	4.6000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1131	0.1131	0.0000	0.0000	0.1132
Total	9.0000e-005	1.0600e-003	7.3000e-004	0.0000	1.9000e-004	0.0000	1.9000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.3478	0.3478	1.0000e-005	0.0000	0.3482

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3.9 Demobilization - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.1000e-004	5.2900e-003	3.6200e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.8000e-004	1.8000e-004	0.0000	1.1657	1.1657	3.8000e-004	0.0000	1.1751
Total	6.1000e-004	5.2900e-003	3.6200e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.8000e-004	1.8000e-004	0.0000	1.1657	1.1657	3.8000e-004	0.0000	1.1751

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	1.0200e-003	2.7000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2346	0.2346	1.0000e-005	0.0000	0.2350
Worker	6.0000e-005	4.0000e-005	4.6000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1131	0.1131	0.0000	0.0000	0.1132
Total	9.0000e-005	1.0600e-003	7.3000e-004	0.0000	1.9000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.3478	0.3478	1.0000e-005	0.0000	0.3482

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3.10 Well Equipping Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1506	1.1091	1.0835	1.8600e-003		0.0560	0.0560		0.0546	0.0546	0.0000	154.1394	154.1394	0.0236	0.0000	154.7298
Total	0.1506	1.1091	1.0835	1.8600e-003		0.0560	0.0560		0.0546	0.0546	0.0000	154.1394	154.1394	0.0236	0.0000	154.7298

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	2.6000e-004	6.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0756	0.0756	0.0000	0.0000	0.0757
Vendor	4.7000e-004	0.0153	4.1000e-003	4.0000e-005	8.8000e-004	4.0000e-005	9.2000e-004	2.5000e-004	4.0000e-005	2.9000e-004	0.0000	3.5197	3.5197	2.0000e-004	0.0000	3.5247
Worker	4.6700e-003	3.0500e-003	0.0342	9.0000e-005	9.9100e-003	7.0000e-005	9.9800e-003	2.6400e-003	6.0000e-005	2.7000e-003	0.0000	8.4858	8.4858	2.2000e-004	0.0000	8.4914
Total	5.1500e-003	0.0187	0.0383	1.3000e-004	0.0108	1.1000e-004	0.0109	2.8900e-003	1.0000e-004	3.0000e-003	0.0000	12.0811	12.0811	4.2000e-004	0.0000	12.0918

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3.10 Well Equipping Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1506	1.1091	1.0835	1.8600e-003		0.0560	0.0560		0.0546	0.0546	0.0000	154.1392	154.1392	0.0236	0.0000	154.7296
Total	0.1506	1.1091	1.0835	1.8600e-003		0.0560	0.0560		0.0546	0.0546	0.0000	154.1392	154.1392	0.0236	0.0000	154.7296

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	2.6000e-004	6.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0756	0.0756	0.0000	0.0000	0.0757
Vendor	4.7000e-004	0.0153	4.1000e-003	4.0000e-005	8.5000e-004	4.0000e-005	8.9000e-004	2.5000e-004	4.0000e-005	2.9000e-004	0.0000	3.5197	3.5197	2.0000e-004	0.0000	3.5247
Worker	4.6700e-003	3.0500e-003	0.0342	9.0000e-005	9.4900e-003	7.0000e-005	9.5600e-003	2.5300e-003	6.0000e-005	2.6000e-003	0.0000	8.4858	8.4858	2.2000e-004	0.0000	8.4914
Total	5.1500e-003	0.0187	0.0383	1.3000e-004	0.0104	1.1000e-004	0.0105	2.7800e-003	1.0000e-004	2.9000e-003	0.0000	12.0811	12.0811	4.2000e-004	0.0000	12.0918

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3.11 Site Paving/Landscaping - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.8700e-003	0.0387	0.0443	7.0000e-005		2.0800e-003	2.0800e-003		1.9100e-003	1.9100e-003	0.0000	5.8825	5.8825	1.8600e-003	0.0000	5.9291
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.8700e-003	0.0387	0.0443	7.0000e-005		2.0800e-003	2.0800e-003		1.9100e-003	1.9100e-003	0.0000	5.8825	5.8825	1.8600e-003	0.0000	5.9291

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.3000e-004	1.5000e-004	1.6500e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4086	0.4086	1.0000e-005	0.0000	0.4088
Total	2.3000e-004	1.5000e-004	1.6500e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4086	0.4086	1.0000e-005	0.0000	0.4088

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3.11 Site Paving/Landscaping - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.8700e-003	0.0387	0.0443	7.0000e-005		2.0800e-003	2.0800e-003		1.9100e-003	1.9100e-003	0.0000	5.8825	5.8825	1.8600e-003	0.0000	5.9291
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.8700e-003	0.0387	0.0443	7.0000e-005		2.0800e-003	2.0800e-003		1.9100e-003	1.9100e-003	0.0000	5.8825	5.8825	1.8600e-003	0.0000	5.9291

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.3000e-004	1.5000e-004	1.6500e-003	0.0000	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4086	0.4086	1.0000e-005	0.0000	0.4088
Total	2.3000e-004	1.5000e-004	1.6500e-003	0.0000	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4086	0.4086	1.0000e-005	0.0000	0.4088

4.0 Operational Detail - Mobile

City Sacramento Groundwater Master Plan EIR - Sacramento County, Summer

City Sacramento Groundwater Master Plan EIR
Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	44.00	1000sqft	1.01	44,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2022
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

City Sacramento Groundwater Master Plan EIR - Sacramento County, Summer

Project Characteristics -

Land Use -

Construction Phase - project specific info

Off-road Equipment - project specific info

Off-road Equipment -

Off-road Equipment - project specific info

Off-road Equipment - project specific info.

Off-road Equipment - project specific info

Off-road Equipment - project specific info.

Off-road Equipment - project specific info

Off-road Equipment - project specific info

Off-road Equipment - project info

Off-road Equipment -

Demolition -

Trips and VMT - project info

Vehicle Trips - project info

Area Coating - project info

Energy Use - project info

Water And Wastewater - project info

Solid Waste - project info

Stationary Sources - Emergency Generators and Fire Pumps -

Construction Off-road Equipment Mitigation - SMAQMD basic dust control

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	22000	0
tblAreaCoating	Area_Nonresidential_Interior	66000	0
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	5

City Sacramento Groundwater Master Plan EIR - Sacramento County, Summer

tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	200.00	35.00
tblConstructionPhase	NumDays	200.00	28.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	200.00	2.00
tblConstructionPhase	NumDays	200.00	2.00
tblConstructionPhase	NumDays	2.00	10.00
tblConstructionPhase	NumDays	200.00	20.00
tblConstructionPhase	NumDays	200.00	2.00
tblConstructionPhase	NumDays	200.00	150.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	PhaseEndDate	12/13/2021	3/31/2021
tblConstructionPhase	PhaseEndDate	11/15/2021	2/22/2021
tblConstructionPhase	PhaseEndDate	1/29/2021	1/7/2021
tblConstructionPhase	PhaseEndDate	2/8/2021	1/25/2021
tblConstructionPhase	PhaseEndDate	11/29/2021	2/24/2021
tblConstructionPhase	PhaseEndDate	2/2/2021	1/21/2021
tblConstructionPhase	PhaseStartDate	11/30/2021	2/25/2021
tblConstructionPhase	PhaseStartDate	2/9/2021	1/26/2021
tblConstructionPhase	PhaseStartDate	2/3/2021	1/22/2021
tblConstructionPhase	PhaseStartDate	11/16/2021	2/23/2021
tblConstructionPhase	PhaseStartDate	1/30/2021	1/8/2021
tblEnergyUse	LightingElect	1.85	0.00
tblEnergyUse	NT24E	13.70	5.83
tblEnergyUse	NT24NG	0.63	0.00
tblEnergyUse	T24E	0.46	0.00

City Sacramento Groundwater Master Plan EIR - Sacramento County, Summer

tblEnergyUse	T24NG	0.83	0.00
tblGrading	AcresOfGrading	5.00	1.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

City Sacramento Groundwater Master Plan EIR - Sacramento County, Summer

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

City Sacramento Groundwater Master Plan EIR - Sacramento County, Summer

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
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tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00

City Sacramento Groundwater Master Plan EIR - Sacramento County, Summer

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblSolidWaste	SolidWasteGenerationRate	41.36	0.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	115.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	40.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	10.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	28.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	7.00	12.00
tblTripsAndVMT	VendorTripNumber	7.00	0.00
tblTripsAndVMT	VendorTripNumber	7.00	0.00
tblTripsAndVMT	VendorTripNumber	7.00	0.00
tblTripsAndVMT	VendorTripNumber	7.00	0.00
tblTripsAndVMT	VendorTripNumber	7.00	10.00
tblTripsAndVMT	VendorTripNumber	7.00	2.00
tblVehicleTrips	ST_TR	1.68	0.10
tblVehicleTrips	SU_TR	1.68	0.10
tblVehicleTrips	WD_TR	1.68	0.10
tblWater	IndoorWaterUseRate	10,175,000.00	0.00

City Sacramento Groundwater Master Plan EIR - Sacramento County, Summer

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.1894	36.5988	28.5681	0.0951	5.4849	1.3993	6.2532	2.9374	1.3150	3.6443	0.0000	9,153.842 3	9,153.842 3	2.6364	0.0000	9,219.753 1
Maximum	4.1894	36.5988	28.5681	0.0951	5.4849	1.3993	6.2532	2.9374	1.3150	3.6443	0.0000	9,153.842 3	9,153.842 3	2.6364	0.0000	9,219.753 1

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.1894	36.5988	28.5681	0.0951	2.5240	1.3993	3.2923	1.3369	1.3150	2.0438	0.0000	9,153.842 3	9,153.842 3	2.6364	0.0000	9,219.753 1
Maximum	4.1894	36.5988	28.5681	0.0951	2.5240	1.3993	3.2923	1.3369	1.3150	2.0438	0.0000	9,153.842 3	9,153.842 3	2.6364	0.0000	9,219.753 1

City Sacramento Groundwater Master Plan EIR - Sacramento County, Summer

	ROG	NOx	CO	SO2	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	53.98	0.00	47.35	54.49	0.00	43.92	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	0.9420	4.0000e-005	4.5000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6300e-003	9.6300e-003	3.0000e-005		0.0103
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	9.2700e-003	0.0317	0.1039	3.2000e-004	0.0271	2.6000e-004	0.0274	7.2600e-003	2.4000e-004	7.5000e-003		32.7962	32.7962	1.4500e-003		32.8324
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.9513	0.0318	0.1084	3.2000e-004	0.0271	2.8000e-004	0.0274	7.2600e-003	2.6000e-004	7.5200e-003		32.8058	32.8058	1.4800e-003	0.0000	32.8427

City Sacramento Groundwater Master Plan EIR - Sacramento County, Summer

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	0.9420	4.0000e-005	4.5000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6300e-003	9.6300e-003	3.0000e-005		0.0103
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	9.2700e-003	0.0317	0.1039	3.2000e-004	0.0271	2.6000e-004	0.0274	7.2600e-003	2.4000e-004	7.5000e-003		32.7962	32.7962	1.4500e-003		32.8324
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.9513	0.0318	0.1084	3.2000e-004	0.0271	2.8000e-004	0.0274	7.2600e-003	2.6000e-004	7.5200e-003		32.8058	32.8058	1.4800e-003	0.0000	32.8427

	ROG	NOx	CO	SO2	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

City Sacramento Groundwater Master Plan EIR - Sacramento County, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Well Destruction/Demolition	Demolition	1/4/2021	1/7/2021	5	4	
2	Site Preparation	Site Preparation	1/8/2021	1/21/2021	5	10	
3	Mobilization	Building Construction	1/22/2021	1/25/2021	5	2	
4	Test Well Drilling	Building Construction	1/26/2021	2/22/2021	7	28	
5	Test Well Testing	Building Construction	2/23/2021	2/24/2021	5	2	
6	Production Well Drilling/Construction	Building Construction	2/25/2021	3/31/2021	7	35	
7	Production Well Development/Testing	Building Construction	4/1/2021	4/28/2021	5	20	
8	Demobilization	Building Construction	4/29/2021	4/30/2021	5	2	
9	Well Equipping Construction	Building Construction	5/3/2021	11/26/2021	5	150	
10	Site Paving/Landscaping	Paving	11/29/2021	12/10/2021	5	10	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Production Well Development/Testing	Welders	0	0.00	46	0.45
Demobilization	Welders	0	0.00	46	0.45
Well Equipping Construction	Welders	3	8.00	46	0.45
Well Destruction/Demolition	Cement and Mortar Mixers	1	8.00	9	0.56
Mobilization	Off-Highway Trucks	1	4.00	402	0.38
Test Well Drilling	Air Compressors	1	8.00	78	0.48

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Test Well Drilling	Bore/Drill Rigs	1	24.00	221	0.50
Test Well Drilling	Off-Highway Trucks	4	8.00	402	0.38
Test Well Testing	Pumps	1	8.00	84	0.74
Test Well Testing	Off-Highway Trucks	1	8.00	402	0.38
Production Well Drilling/Construction	Bore/Drill Rigs	1	24.00	221	0.50
Production Well Drilling/Construction	Off-Highway Trucks	4	8.00	402	0.38
Production Well Drilling/Construction	Pumps	1	8.00	84	0.74
Production Well Development/Testing	Pumps	1	8.00	84	0.74
Production Well Development/Testing	Off-Highway Trucks	1	8.00	402	0.38
Demobilization	Off-Highway Trucks	1	8.00	402	0.38
Well Equipping Construction	Air Compressors	1	8.00	78	0.48
Production Well Drilling/Construction	Air Compressors	1	6.00	78	0.48
Test Well Testing	Cement and Mortar Mixers	0	0.00	9	0.56
Well Destruction/Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Test Well Drilling	Generator Sets	0	0.00	84	0.74
Test Well Drilling	Cranes	0	0.00	231	0.29
Test Well Drilling	Forklifts	0	0.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Test Well Testing	Pavers	0	0.00	130	0.42
Test Well Testing	Rollers	0	0.00	80	0.38
Well Destruction/Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Mobilization	Rubber Tired Dozers	0	0.00	247	0.40
Test Well Drilling	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Well Destruction/Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Mobilization	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Test Well Testing	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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Mobilization	Graders	0	0.00	187	0.41
Test Well Testing	Paving Equipment	0	0.00	132	0.36
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Test Well Drilling	Welders	1	8.00	46	0.45
Site Paving/Landscaping	Cement and Mortar Mixers	1	6.00	9	0.56
Mobilization	Cranes	0	0.00	231	0.29
Test Well Testing	Cranes	0	0.00	231	0.29
Production Well Drilling/Construction	Cranes	0	0.00	231	0.29
Production Well Development/Testing	Cranes	0	0.00	231	0.29
Demobilization	Cranes	0	0.00	231	0.29
Well Equipping Construction	Cranes	1	6.00	231	0.29
Mobilization	Forklifts	0	0.00	89	0.20
Test Well Testing	Forklifts	0	0.00	89	0.20
Production Well Drilling/Construction	Forklifts	0	0.00	89	0.20
Production Well Development/Testing	Forklifts	0	0.00	89	0.20
Demobilization	Forklifts	0	0.00	89	0.20
Well Equipping Construction	Forklifts	0	0.00	89	0.20
Mobilization	Generator Sets	0	0.00	84	0.74
Test Well Testing	Generator Sets	0	0.00	84	0.74
Production Well Drilling/Construction	Generator Sets	0	0.00	84	0.74
Production Well Development/Testing	Generator Sets	0	0.00	84	0.74
Demobilization	Generator Sets	0	0.00	84	0.74
Well Equipping Construction	Generator Sets	1	8.00	84	0.74
Site Paving/Landscaping	Pavers	1	6.00	130	0.42
Site Paving/Landscaping	Paving Equipment	1	8.00	132	0.36
Site Paving/Landscaping	Rollers	1	7.00	80	0.38
Production Well Drilling/Construction	Tractors/Loaders/Backhoes	0	0.00	97	0.37

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Production Well Development/Testing	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Demobilization	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Well Equipping Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Paving/Landscaping	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Mobilization	Welders	0	0.00	46	0.45
Test Well Testing	Welders	0	0.00	46	0.45
Production Well Drilling/Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Well Destruction/Demolition	4	10.00	0.00	2.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	28.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Mobilization	1	18.00	12.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Test Well Drilling	7	18.00	0.00	2.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Test Well Testing	2	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Production Well Drilling/Construction	8	18.00	0.00	6.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Production Well Development/Testing	2	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Demobilization	1	18.00	10.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Well Equipping Construction	7	18.00	2.00	2.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Paving/Landscaping	5	13.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

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3.2 Well Destruction/Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.5388	0.0000	0.5388	0.0816	0.0000	0.0816			0.0000			0.0000
Off-Road	1.6772	16.2732	10.2804	0.0186		0.8317	0.8317		0.7801	0.7801		1,771.433 2	1,771.433 2	0.4046		1,781.547 2
Total	1.6772	16.2732	10.2804	0.0186	0.5388	0.8317	1.3705	0.0816	0.7801	0.8617		1,771.433 2	1,771.433 2	0.4046		1,781.547 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.5200e-003	0.1276	0.0294	3.9000e-004	8.7000e-003	4.5000e-004	9.1400e-003	2.3800e-003	4.3000e-004	2.8100e-003		41.9534	41.9534	2.3600e-003		42.0124
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0401	0.0205	0.2992	7.7000e-004	0.0761	5.1000e-004	0.0766	0.0202	4.7000e-004	0.0207		76.6479	76.6479	2.0400e-003		76.6989
Total	0.0436	0.1481	0.3285	1.1600e-003	0.0848	9.6000e-004	0.0857	0.0226	9.0000e-004	0.0235		118.6013	118.6013	4.4000e-003		118.7113

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3.2 Well Destruction/Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2425	0.0000	0.2425	0.0367	0.0000	0.0367			0.0000			0.0000
Off-Road	1.6772	16.2732	10.2804	0.0186		0.8317	0.8317		0.7801	0.7801	0.0000	1,771.433 2	1,771.433 2	0.4046		1,781.547 2
Total	1.6772	16.2732	10.2804	0.0186	0.2425	0.8317	1.0741	0.0367	0.7801	0.8168	0.0000	1,771.433 2	1,771.433 2	0.4046		1,781.547 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.5200e-003	0.1276	0.0294	3.9000e-004	8.3700e-003	4.5000e-004	8.8100e-003	2.3000e-003	4.3000e-004	2.7200e-003		41.9534	41.9534	2.3600e-003		42.0124
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0401	0.0205	0.2992	7.7000e-004	0.0728	5.1000e-004	0.0733	0.0194	4.7000e-004	0.0198		76.6479	76.6479	2.0400e-003		76.6989
Total	0.0436	0.1481	0.3285	1.1600e-003	0.0811	9.6000e-004	0.0821	0.0217	9.0000e-004	0.0226		118.6013	118.6013	4.4000e-003		118.7113

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3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.3754	0.0000	5.3754	2.9079	0.0000	2.9079			0.0000			0.0000
Off-Road	1.5558	17.4203	7.5605	0.0172		0.7654	0.7654		0.7041	0.7041		1,666.5174	1,666.5174	0.5390		1,679.9920
Total	1.5558	17.4203	7.5605	0.0172	5.3754	0.7654	6.1408	2.9079	0.7041	3.6120		1,666.5174	1,666.5174	0.5390		1,679.9920

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0197	0.7146	0.1644	2.1900e-003	0.0487	2.5000e-003	0.0512	0.0133	2.3900e-003	0.0157		234.9390	234.9390	0.0132		235.2694
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0321	0.0164	0.2393	6.2000e-004	0.0609	4.1000e-004	0.0613	0.0161	3.8000e-004	0.0165		61.3183	61.3183	1.6300e-003		61.3591
Total	0.0518	0.7310	0.4037	2.8100e-003	0.1096	2.9100e-003	0.1125	0.0295	2.7700e-003	0.0322		296.2573	296.2573	0.0149		296.6285

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3.3 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4189	0.0000	2.4189	1.3086	0.0000	1.3086			0.0000			0.0000
Off-Road	1.5558	17.4203	7.5605	0.0172		0.7654	0.7654		0.7041	0.7041	0.0000	1,666.5174	1,666.5174	0.5390		1,679.9920
Total	1.5558	17.4203	7.5605	0.0172	2.4189	0.7654	3.1843	1.3086	0.7041	2.0127	0.0000	1,666.5174	1,666.5174	0.5390		1,679.9920

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0197	0.7146	0.1644	2.1900e-003	0.0469	2.5000e-003	0.0493	0.0129	2.3900e-003	0.0153		234.9390	234.9390	0.0132		235.2694
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0321	0.0164	0.2393	6.2000e-004	0.0582	4.1000e-004	0.0586	0.0155	3.8000e-004	0.0159		61.3183	61.3183	1.6300e-003		61.3591
Total	0.0518	0.7310	0.4037	2.8100e-003	0.1051	2.9100e-003	0.1080	0.0284	2.7700e-003	0.0311		296.2573	296.2573	0.0149		296.6285

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3.4 Mobilization - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3045	2.6448	1.8112	6.6400e-003		0.0970	0.0970		0.0893	0.0893		642.4578	642.4578	0.2078		647.6524
Total	0.3045	2.6448	1.8112	6.6400e-003		0.0970	0.0970		0.0893	0.0893		642.4578	642.4578	0.2078		647.6524

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor	0.0371	1.2053	0.3078	2.9600e-003	0.0722	3.3100e-003	0.0755	0.0208	3.1600e-003	0.0239		313.7735	313.7735	0.0172		314.2022
Worker	0.0721	0.0369	0.5385	1.3900e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		137.9662	137.9662	3.6700e-003		138.0580
Total	0.1092	1.2422	0.8463	4.3500e-003	0.2091	4.2300e-003	0.2134	0.0571	4.0100e-003	0.0611		451.7397	451.7397	0.0208		452.2602

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3.4 Mobilization - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3045	2.6448	1.8112	6.6400e-003		0.0970	0.0970		0.0893	0.0893	0.0000	642.4578	642.4578	0.2078		647.6524
Total	0.3045	2.6448	1.8112	6.6400e-003		0.0970	0.0970		0.0893	0.0893	0.0000	642.4578	642.4578	0.2078		647.6524

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor	0.0371	1.2053	0.3078	2.9600e-003	0.0696	3.3100e-003	0.0729	0.0202	3.1600e-003	0.0233		313.7735	313.7735	0.0172		314.2022
Worker	0.0721	0.0369	0.5385	1.3900e-003	0.1310	9.2000e-004	0.1319	0.0349	8.5000e-004	0.0357		137.9662	137.9662	3.6700e-003		138.0580
Total	0.1092	1.2422	0.8463	4.3500e-003	0.2006	4.2300e-003	0.2048	0.0550	4.0100e-003	0.0590		451.7397	451.7397	0.0208		452.2602

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3.5 Test Well Drilling - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.8086	33.8171	24.8847	0.0880		1.2519	1.2519		1.1678	1.1678		8,472.2724	8,472.2724	2.6044		8,537.3825
Total	3.8086	33.8171	24.8847	0.0880		1.2519	1.2519		1.1678	1.1678		8,472.2724	8,472.2724	2.6044		8,537.3825

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.0000e-004	0.0182	4.1900e-003	6.0000e-005	1.2400e-003	6.0000e-005	1.3100e-003	3.4000e-004	6.0000e-005	4.0000e-004		5.9933	5.9933	3.4000e-004		6.0018
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0369	0.5385	1.3900e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		137.9662	137.9662	3.6700e-003		138.0580
Total	0.0726	0.0552	0.5427	1.4500e-003	0.1382	9.8000e-004	0.1392	0.0367	9.1000e-004	0.0376		143.9596	143.9596	4.0100e-003		144.0598

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3.5 Test Well Drilling - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.8086	33.8171	24.8847	0.0880		1.2519	1.2519		1.1678	1.1678	0.0000	8,472.2724	8,472.2724	2.6044		8,537.3825
Total	3.8086	33.8171	24.8847	0.0880		1.2519	1.2519		1.1678	1.1678	0.0000	8,472.2724	8,472.2724	2.6044		8,537.3825

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.0000e-004	0.0182	4.1900e-003	6.0000e-005	1.2000e-003	6.0000e-005	1.2600e-003	3.3000e-004	6.0000e-005	3.9000e-004		5.9933	5.9933	3.4000e-004		6.0018
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0369	0.5385	1.3900e-003	0.1310	9.2000e-004	0.1319	0.0349	8.5000e-004	0.0357		137.9662	137.9662	3.6700e-003		138.0580
Total	0.0726	0.0552	0.5427	1.4500e-003	0.1322	9.8000e-004	0.1332	0.0352	9.1000e-004	0.0361		143.9596	143.9596	4.0100e-003		144.0598

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3.6 Test Well Testing - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9894	8.4997	7.3630	0.0199		0.3716	0.3716		0.3561	0.3561		1,907.9513	1,907.9513	0.4496		1,919.1901
Total	0.9894	8.4997	7.3630	0.0199		0.3716	0.3716		0.3561	0.3561		1,907.9513	1,907.9513	0.4496		1,919.1901

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0369	0.5385	1.3900e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		137.9662	137.9662	3.6700e-003		138.0580
Total	0.0721	0.0369	0.5385	1.3900e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		137.9662	137.9662	3.6700e-003		138.0580

City Sacramento Groundwater Master Plan EIR - Sacramento County, Summer

3.6 Test Well Testing - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9894	8.4997	7.3630	0.0199		0.3716	0.3716		0.3561	0.3561	0.0000	1,907.9513	1,907.9513	0.4496		1,919.1901
Total	0.9894	8.4997	7.3630	0.0199		0.3716	0.3716		0.3561	0.3561	0.0000	1,907.9513	1,907.9513	0.4496		1,919.1901

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0369	0.5385	1.3900e-003	0.1310	9.2000e-004	0.1319	0.0349	8.5000e-004	0.0357		137.9662	137.9662	3.6700e-003		138.0580
Total	0.0721	0.0369	0.5385	1.3900e-003	0.1310	9.2000e-004	0.1319	0.0349	8.5000e-004	0.0357		137.9662	137.9662	3.6700e-003		138.0580

City Sacramento Groundwater Master Plan EIR - Sacramento County, Summer

3.7 Production Well Drilling/Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.1161	36.5181	28.0195	0.0936		1.3982	1.3982		1.3140	1.3140		9,001.4921	9,001.4921	2.6320		9,067.2908
Total	4.1161	36.5181	28.0195	0.0936		1.3982	1.3982		1.3140	1.3140		9,001.4921	9,001.4921	2.6320		9,067.2908

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2100e-003	0.0438	0.0101	1.3000e-004	2.9800e-003	1.5000e-004	3.1300e-003	8.2000e-004	1.5000e-004	9.6000e-004		14.3840	14.3840	8.1000e-004		14.4043
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0369	0.5385	1.3900e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		137.9662	137.9662	3.6700e-003		138.0580
Total	0.0734	0.0807	0.5486	1.5200e-003	0.1399	1.0700e-003	0.1410	0.0371	1.0000e-003	0.0381		152.3503	152.3503	4.4800e-003		152.4623

City Sacramento Groundwater Master Plan EIR - Sacramento County, Summer

3.7 Production Well Drilling/Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.1161	36.5181	28.0195	0.0936		1.3982	1.3982		1.3140	1.3140	0.0000	9,001.4920	9,001.4920	2.6320		9,067.2908
Total	4.1161	36.5181	28.0195	0.0936		1.3982	1.3982		1.3140	1.3140	0.0000	9,001.4920	9,001.4920	2.6320		9,067.2908

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2100e-003	0.0438	0.0101	1.3000e-004	2.8700e-003	1.5000e-004	3.0200e-003	7.9000e-004	1.5000e-004	9.3000e-004		14.3840	14.3840	8.1000e-004		14.4043
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0369	0.5385	1.3900e-003	0.1310	9.2000e-004	0.1319	0.0349	8.5000e-004	0.0357		137.9662	137.9662	3.6700e-003		138.0580
Total	0.0734	0.0807	0.5486	1.5200e-003	0.1339	1.0700e-003	0.1349	0.0357	1.0000e-003	0.0366		152.3503	152.3503	4.4800e-003		152.4623

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3.8 Production Well Development/Testing - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9894	8.4997	7.3630	0.0199		0.3716	0.3716		0.3561	0.3561		1,907.9513	1,907.9513	0.4496		1,919.1901
Total	0.9894	8.4997	7.3630	0.0199		0.3716	0.3716		0.3561	0.3561		1,907.9513	1,907.9513	0.4496		1,919.1901

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0369	0.5385	1.3900e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		137.9662	137.9662	3.6700e-003		138.0580
Total	0.0721	0.0369	0.5385	1.3900e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		137.9662	137.9662	3.6700e-003		138.0580

City Sacramento Groundwater Master Plan EIR - Sacramento County, Summer

3.8 Production Well Development/Testing - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9894	8.4997	7.3630	0.0199		0.3716	0.3716		0.3561	0.3561	0.0000	1,907.9513	1,907.9513	0.4496		1,919.1901
Total	0.9894	8.4997	7.3630	0.0199		0.3716	0.3716		0.3561	0.3561	0.0000	1,907.9513	1,907.9513	0.4496		1,919.1901

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0369	0.5385	1.3900e-003	0.1310	9.2000e-004	0.1319	0.0349	8.5000e-004	0.0357		137.9662	137.9662	3.6700e-003		138.0580
Total	0.0721	0.0369	0.5385	1.3900e-003	0.1310	9.2000e-004	0.1319	0.0349	8.5000e-004	0.0357		137.9662	137.9662	3.6700e-003		138.0580

City Sacramento Groundwater Master Plan EIR - Sacramento County, Summer

3.9 Demobilization - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6089	5.2897	3.6224	0.0133		0.1940	0.1940		0.1785	0.1785		1,284.9156	1,284.9156	0.4156		1,295.3048
Total	0.6089	5.2897	3.6224	0.0133		0.1940	0.1940		0.1785	0.1785		1,284.9156	1,284.9156	0.4156		1,295.3048

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor	0.0309	1.0044	0.2565	2.4700e-003	0.0602	2.7500e-003	0.0629	0.0173	2.6300e-003	0.0200		261.4779	261.4779	0.0143		261.8352
Worker	0.0721	0.0369	0.5385	1.3900e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		137.9662	137.9662	3.6700e-003		138.0580
Total	0.1030	1.0413	0.7950	3.8600e-003	0.1971	3.6700e-003	0.2008	0.0536	3.4800e-003	0.0571		399.4441	399.4441	0.0180		399.8932

City Sacramento Groundwater Master Plan EIR - Sacramento County, Summer

3.9 Demobilization - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6089	5.2897	3.6224	0.0133		0.1940	0.1940		0.1785	0.1785	0.0000	1,284.9156	1,284.9156	0.4156		1,295.3048
Total	0.6089	5.2897	3.6224	0.0133		0.1940	0.1940		0.1785	0.1785	0.0000	1,284.9156	1,284.9156	0.4156		1,295.3048

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor	0.0309	1.0044	0.2565	2.4700e-003	0.0580	2.7500e-003	0.0608	0.0168	2.6300e-003	0.0194		261.4779	261.4779	0.0143		261.8352
Worker	0.0721	0.0369	0.5385	1.3900e-003	0.1310	9.2000e-004	0.1319	0.0349	8.5000e-004	0.0357		137.9662	137.9662	3.6700e-003		138.0580
Total	0.1030	1.0413	0.7950	3.8600e-003	0.1890	3.6700e-003	0.1927	0.0517	3.4800e-003	0.0551		399.4441	399.4441	0.0180		399.8932

City Sacramento Groundwater Master Plan EIR - Sacramento County, Summer

3.10 Well Equipping Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.0074	14.7875	14.4469	0.0249		0.7470	0.7470		0.7285	0.7285		2,265.4610	2,265.4610	0.3471		2,274.1388
Total	2.0074	14.7875	14.4469	0.0249		0.7470	0.7470		0.7285	0.7285		2,265.4610	2,265.4610	0.3471		2,274.1388

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.0000e-005	3.4000e-003	7.8000e-004	1.0000e-005	2.3000e-004	1.0000e-005	2.4000e-004	6.0000e-005	1.0000e-005	7.0000e-005		1.1188	1.1188	6.0000e-005		1.1203
Vendor	6.1800e-003	0.2009	0.0513	4.9000e-004	0.0120	5.5000e-004	0.0126	3.4600e-003	5.3000e-004	3.9900e-003		52.2956	52.2956	2.8600e-003		52.3670
Worker	0.0721	0.0369	0.5385	1.3900e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		137.9662	137.9662	3.6700e-003		138.0580
Total	0.0784	0.2412	0.5906	1.8900e-003	0.1492	1.4800e-003	0.1507	0.0398	1.3900e-003	0.0412		191.3806	191.3806	6.5900e-003		191.5454

City Sacramento Groundwater Master Plan EIR - Sacramento County, Summer

3.10 Well Equipping Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.0074	14.7875	14.4469	0.0249		0.7470	0.7470		0.7285	0.7285	0.0000	2,265.4609	2,265.4609	0.3471		2,274.1388
Total	2.0074	14.7875	14.4469	0.0249		0.7470	0.7470		0.7285	0.7285	0.0000	2,265.4609	2,265.4609	0.3471		2,274.1388

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.0000e-005	3.4000e-003	7.8000e-004	1.0000e-005	2.2000e-004	1.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005		1.1188	1.1188	6.0000e-005		1.1203
Vendor	6.1800e-003	0.2009	0.0513	4.9000e-004	0.0116	5.5000e-004	0.0122	3.3600e-003	5.3000e-004	3.8800e-003		52.2956	52.2956	2.8600e-003		52.3670
Worker	0.0721	0.0369	0.5385	1.3900e-003	0.1310	9.2000e-004	0.1319	0.0349	8.5000e-004	0.0357		137.9662	137.9662	3.6700e-003		138.0580
Total	0.0784	0.2412	0.5906	1.8900e-003	0.1428	1.4800e-003	0.1443	0.0383	1.3900e-003	0.0397		191.3806	191.3806	6.5900e-003		191.5454

City Sacramento Groundwater Master Plan EIR - Sacramento County, Summer

3.11 Site Paving/Landscaping - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830		1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830		1,296.8664	1,296.8664	0.4111		1,307.1442

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0267	0.3889	1.0000e-003	0.0989	6.7000e-004	0.0996	0.0262	6.2000e-004	0.0269		99.6423	99.6423	2.6500e-003		99.7086
Total	0.0521	0.0267	0.3889	1.0000e-003	0.0989	6.7000e-004	0.0996	0.0262	6.2000e-004	0.0269		99.6423	99.6423	2.6500e-003		99.7086

City Sacramento Groundwater Master Plan EIR - Sacramento County, Summer

3.11 Site Paving/Landscaping - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830	0.0000	1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830	0.0000	1,296.8664	1,296.8664	0.4111		1,307.1442

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0267	0.3889	1.0000e-003	0.0946	6.7000e-004	0.0953	0.0252	6.2000e-004	0.0258		99.6423	99.6423	2.6500e-003		99.7086
Total	0.0521	0.0267	0.3889	1.0000e-003	0.0946	6.7000e-004	0.0953	0.0252	6.2000e-004	0.0258		99.6423	99.6423	2.6500e-003		99.7086

4.0 Operational Detail - Mobile

City Sacramento Groundwater Master Plan EIR - Sacramento County, Winter

City Sacramento Groundwater Master Plan EIR
Sacramento County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	44.00	1000sqft	1.01	44,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2022
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use -

Construction Phase - project specific info

Off-road Equipment - project specific info

Off-road Equipment -

Off-road Equipment - project specific info

Off-road Equipment - project specific info.

Off-road Equipment - project specific info

Off-road Equipment - project specific info.

Off-road Equipment - project specific info

Off-road Equipment - project specific info

Off-road Equipment - project info

Off-road Equipment -

Demolition -

Trips and VMT - project info

Vehicle Trips - project info

Area Coating - project info

Energy Use - project info

Water And Wastewater - project info

Solid Waste - project info

Stationary Sources - Emergency Generators and Fire Pumps -

Construction Off-road Equipment Mitigation - SMAQMD basic dust control

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	22000	0
tblAreaCoating	Area_Nonresidential_Interior	66000	0
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	5

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tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	200.00	35.00
tblConstructionPhase	NumDays	200.00	28.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	200.00	2.00
tblConstructionPhase	NumDays	200.00	2.00
tblConstructionPhase	NumDays	2.00	10.00
tblConstructionPhase	NumDays	200.00	20.00
tblConstructionPhase	NumDays	200.00	2.00
tblConstructionPhase	NumDays	200.00	150.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	PhaseEndDate	12/13/2021	3/31/2021
tblConstructionPhase	PhaseEndDate	11/15/2021	2/22/2021
tblConstructionPhase	PhaseEndDate	1/29/2021	1/7/2021
tblConstructionPhase	PhaseEndDate	2/8/2021	1/25/2021
tblConstructionPhase	PhaseEndDate	11/29/2021	2/24/2021
tblConstructionPhase	PhaseEndDate	2/2/2021	1/21/2021
tblConstructionPhase	PhaseStartDate	11/30/2021	2/25/2021
tblConstructionPhase	PhaseStartDate	2/9/2021	1/26/2021
tblConstructionPhase	PhaseStartDate	2/3/2021	1/22/2021
tblConstructionPhase	PhaseStartDate	11/16/2021	2/23/2021
tblConstructionPhase	PhaseStartDate	1/30/2021	1/8/2021
tblEnergyUse	LightingElect	1.85	0.00
tblEnergyUse	NT24E	13.70	5.83
tblEnergyUse	NT24NG	0.63	0.00
tblEnergyUse	T24E	0.46	0.00

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tblEnergyUse	T24NG	0.83	0.00
tblGrading	AcresOfGrading	5.00	1.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00

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tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblSolidWaste	SolidWasteGenerationRate	41.36	0.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	115.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	40.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	10.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	28.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	7.00	12.00
tblTripsAndVMT	VendorTripNumber	7.00	0.00
tblTripsAndVMT	VendorTripNumber	7.00	0.00
tblTripsAndVMT	VendorTripNumber	7.00	0.00
tblTripsAndVMT	VendorTripNumber	7.00	0.00
tblTripsAndVMT	VendorTripNumber	7.00	10.00
tblTripsAndVMT	VendorTripNumber	7.00	2.00
tblVehicleTrips	ST_TR	1.68	0.10
tblVehicleTrips	SU_TR	1.68	0.10
tblVehicleTrips	WD_TR	1.68	0.10
tblWater	IndoorWaterUseRate	10,175,000.00	0.00

City Sacramento Groundwater Master Plan EIR - Sacramento County, Winter

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.1837	36.6092	28.4896	0.0950	5.4849	1.3993	6.2533	2.9374	1.3150	3.6444	0.0000	9,136.8227	9,136.8227	2.6360	0.0000	9,202.7234
Maximum	4.1837	36.6092	28.4896	0.0950	5.4849	1.3993	6.2533	2.9374	1.3150	3.6444	0.0000	9,136.8227	9,136.8227	2.6360	0.0000	9,202.7234

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					
2021	4.1837	36.6092	28.4896	0.0950	2.5240	1.3993	3.2923	1.3369	1.3150	2.0439	0.0000	9,136.8227	9,136.8227	2.6360	0.0000	9,202.7234
Maximum	4.1837	36.6092	28.4896	0.0950	2.5240	1.3993	3.2923	1.3369	1.3150	2.0439	0.0000	9,136.8227	9,136.8227	2.6360	0.0000	9,202.7234

City Sacramento Groundwater Master Plan EIR - Sacramento County, Winter

	ROG	NOx	CO	SO2	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	53.98	0.00	47.35	54.49	0.00	43.92	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	0.9420	4.0000e-005	4.5000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6300e-003	9.6300e-003	3.0000e-005		0.0103
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	7.0200e-003	0.0341	0.0943	2.9000e-004	0.0271	2.6000e-004	0.0274	7.2600e-003	2.5000e-004	7.5000e-003		29.6328	29.6328	1.4300e-003		29.6685
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.9490	0.0342	0.0988	2.9000e-004	0.0271	2.8000e-004	0.0274	7.2600e-003	2.7000e-004	7.5200e-003		29.6424	29.6424	1.4600e-003	0.0000	29.6787

City Sacramento Groundwater Master Plan EIR - Sacramento County, Winter

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	0.9420	4.0000e-005	4.5000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6300e-003	9.6300e-003	3.0000e-005		0.0103
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	7.0200e-003	0.0341	0.0943	2.9000e-004	0.0271	2.6000e-004	0.0274	7.2600e-003	2.5000e-004	7.5000e-003		29.6328	29.6328	1.4300e-003		29.6685
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.9490	0.0342	0.0988	2.9000e-004	0.0271	2.8000e-004	0.0274	7.2600e-003	2.7000e-004	7.5200e-003		29.6424	29.6424	1.4600e-003	0.0000	29.6787

	ROG	NOx	CO	SO2	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

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Well Destruction/Demolition	Demolition	1/4/2021	1/7/2021	5	4	
2	Site Preparation	Site Preparation	1/8/2021	1/21/2021	5	10	
3	Mobilization	Building Construction	1/22/2021	1/25/2021	5	2	
4	Test Well Drilling	Building Construction	1/26/2021	2/22/2021	7	28	
5	Test Well Testing	Building Construction	2/23/2021	2/24/2021	5	2	
6	Production Well Drilling/Construction	Building Construction	2/25/2021	3/31/2021	7	35	
7	Production Well Development/Testing	Building Construction	4/1/2021	4/28/2021	5	20	
8	Demobilization	Building Construction	4/29/2021	4/30/2021	5	2	
9	Well Equipping Construction	Building Construction	5/3/2021	11/26/2021	5	150	
10	Site Paving/Landscaping	Paving	11/29/2021	12/10/2021	5	10	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Production Well Development/Testing	Welders	0	0.00	46	0.45
Demobilization	Welders	0	0.00	46	0.45
Well Equipping Construction	Welders	3	8.00	46	0.45
Well Destruction/Demolition	Cement and Mortar Mixers	1	8.00	9	0.56
Mobilization	Off-Highway Trucks	1	4.00	402	0.38
Test Well Drilling	Air Compressors	1	8.00	78	0.48

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Test Well Drilling	Bore/Drill Rigs	1	24.00	221	0.50
Test Well Drilling	Off-Highway Trucks	4	8.00	402	0.38
Test Well Testing	Pumps	1	8.00	84	0.74
Test Well Testing	Off-Highway Trucks	1	8.00	402	0.38
Production Well Drilling/Construction	Bore/Drill Rigs	1	24.00	221	0.50
Production Well Drilling/Construction	Off-Highway Trucks	4	8.00	402	0.38
Production Well Drilling/Construction	Pumps	1	8.00	84	0.74
Production Well Development/Testing	Pumps	1	8.00	84	0.74
Production Well Development/Testing	Off-Highway Trucks	1	8.00	402	0.38
Demobilization	Off-Highway Trucks	1	8.00	402	0.38
Well Equipping Construction	Air Compressors	1	8.00	78	0.48
Production Well Drilling/Construction	Air Compressors	1	6.00	78	0.48
Test Well Testing	Cement and Mortar Mixers	0	0.00	9	0.56
Well Destruction/Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Test Well Drilling	Generator Sets	0	0.00	84	0.74
Test Well Drilling	Cranes	0	0.00	231	0.29
Test Well Drilling	Forklifts	0	0.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Test Well Testing	Pavers	0	0.00	130	0.42
Test Well Testing	Rollers	0	0.00	80	0.38
Well Destruction/Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Mobilization	Rubber Tired Dozers	0	0.00	247	0.40
Test Well Drilling	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Well Destruction/Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Mobilization	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Test Well Testing	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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Mobilization	Graders	0	0.00	187	0.41
Test Well Testing	Paving Equipment	0	0.00	132	0.36
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Test Well Drilling	Welders	1	8.00	46	0.45
Site Paving/Landscaping	Cement and Mortar Mixers	1	6.00	9	0.56
Mobilization	Cranes	0	0.00	231	0.29
Test Well Testing	Cranes	0	0.00	231	0.29
Production Well Drilling/Construction	Cranes	0	0.00	231	0.29
Production Well Development/Testing	Cranes	0	0.00	231	0.29
Demobilization	Cranes	0	0.00	231	0.29
Well Equipping Construction	Cranes	1	6.00	231	0.29
Mobilization	Forklifts	0	0.00	89	0.20
Test Well Testing	Forklifts	0	0.00	89	0.20
Production Well Drilling/Construction	Forklifts	0	0.00	89	0.20
Production Well Development/Testing	Forklifts	0	0.00	89	0.20
Demobilization	Forklifts	0	0.00	89	0.20
Well Equipping Construction	Forklifts	0	0.00	89	0.20
Mobilization	Generator Sets	0	0.00	84	0.74
Test Well Testing	Generator Sets	0	0.00	84	0.74
Production Well Drilling/Construction	Generator Sets	0	0.00	84	0.74
Production Well Development/Testing	Generator Sets	0	0.00	84	0.74
Demobilization	Generator Sets	0	0.00	84	0.74
Well Equipping Construction	Generator Sets	1	8.00	84	0.74
Site Paving/Landscaping	Pavers	1	6.00	130	0.42
Site Paving/Landscaping	Paving Equipment	1	8.00	132	0.36
Site Paving/Landscaping	Rollers	1	7.00	80	0.38
Production Well Drilling/Construction	Tractors/Loaders/Backhoes	0	0.00	97	0.37

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Production Well Development/Testing	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Demobilization	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Well Equipping Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Paving/Landscaping	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Mobilization	Welders	0	0.00	46	0.45
Test Well Testing	Welders	0	0.00	46	0.45
Production Well Drilling/Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Well Destruction/Demolition	4	10.00	0.00	2.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	28.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Mobilization	1	18.00	12.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Test Well Drilling	7	18.00	0.00	2.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Test Well Testing	2	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Production Well Drilling/Construction	8	18.00	0.00	6.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Production Well Development/Testing	2	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Demobilization	1	18.00	10.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Well Equipping Construction	7	18.00	2.00	2.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Paving/Landscaping	5	13.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

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3.2 Well Destruction/Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.5388	0.0000	0.5388	0.0816	0.0000	0.0816			0.0000			0.0000
Off-Road	1.6772	16.2732	10.2804	0.0186		0.8317	0.8317		0.7801	0.7801		1,771.4332	1,771.4332	0.4046		1,781.5472
Total	1.6772	16.2732	10.2804	0.0186	0.5388	0.8317	1.3705	0.0816	0.7801	0.8617		1,771.4332	1,771.4332	0.4046		1,781.5472

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.6300e-003	0.1325	0.0314	3.9000e-004	8.7000e-003	4.6000e-004	9.1600e-003	2.3800e-003	4.4000e-004	2.8200e-003		41.3032	41.3032	2.4700e-003		41.3649
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0369	0.0253	0.2552	6.8000e-004	0.0761	5.1000e-004	0.0766	0.0202	4.7000e-004	0.0207		67.3164	67.3164	1.7900e-003		67.3613
Total	0.0405	0.1579	0.2865	1.0700e-003	0.0848	9.7000e-004	0.0857	0.0226	9.1000e-004	0.0235		108.6197	108.6197	4.2600e-003		108.7262

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3.2 Well Destruction/Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2425	0.0000	0.2425	0.0367	0.0000	0.0367			0.0000			0.0000
Off-Road	1.6772	16.2732	10.2804	0.0186		0.8317	0.8317		0.7801	0.7801	0.0000	1,771.433 2	1,771.433 2	0.4046		1,781.547 2
Total	1.6772	16.2732	10.2804	0.0186	0.2425	0.8317	1.0741	0.0367	0.7801	0.8168	0.0000	1,771.433 2	1,771.433 2	0.4046		1,781.547 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.6300e-003	0.1325	0.0314	3.9000e-004	8.3700e-003	4.6000e-004	8.8300e-003	2.3000e-003	4.4000e-004	2.7400e-003		41.3032	41.3032	2.4700e-003		41.3649
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0369	0.0253	0.2552	6.8000e-004	0.0728	5.1000e-004	0.0733	0.0194	4.7000e-004	0.0198		67.3164	67.3164	1.7900e-003		67.3613
Total	0.0405	0.1579	0.2865	1.0700e-003	0.0811	9.7000e-004	0.0821	0.0217	9.1000e-004	0.0226		108.6197	108.6197	4.2600e-003		108.7262

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3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.3754	0.0000	5.3754	2.9079	0.0000	2.9079			0.0000			0.0000
Off-Road	1.5558	17.4203	7.5605	0.0172		0.7654	0.7654		0.7041	0.7041		1,666.5174	1,666.5174	0.5390		1,679.9920
Total	1.5558	17.4203	7.5605	0.0172	5.3754	0.7654	6.1408	2.9079	0.7041	3.6120		1,666.5174	1,666.5174	0.5390		1,679.9920

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0203	0.7421	0.1757	2.1600e-003	0.0487	2.5800e-003	0.0513	0.0133	2.4700e-003	0.0158		231.2981	231.2981	0.0138		231.6435
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0295	0.0203	0.2041	5.4000e-004	0.0609	4.1000e-004	0.0613	0.0161	3.8000e-004	0.0165		53.8531	53.8531	1.4400e-003		53.8890
Total	0.0498	0.7624	0.3799	2.7000e-003	0.1096	2.9900e-003	0.1126	0.0295	2.8500e-003	0.0323		285.1512	285.1512	0.0153		285.5325

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3.3 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4189	0.0000	2.4189	1.3086	0.0000	1.3086			0.0000			0.0000
Off-Road	1.5558	17.4203	7.5605	0.0172		0.7654	0.7654		0.7041	0.7041	0.0000	1,666.5174	1,666.5174	0.5390		1,679.9920
Total	1.5558	17.4203	7.5605	0.0172	2.4189	0.7654	3.1843	1.3086	0.7041	2.0127	0.0000	1,666.5174	1,666.5174	0.5390		1,679.9920

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0203	0.7421	0.1757	2.1600e-003	0.0469	2.5800e-003	0.0494	0.0129	2.4700e-003	0.0153		231.2981	231.2981	0.0138		231.6435
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0295	0.0203	0.2041	5.4000e-004	0.0582	4.1000e-004	0.0586	0.0155	3.8000e-004	0.0159		53.8531	53.8531	1.4400e-003		53.8890
Total	0.0498	0.7624	0.3799	2.7000e-003	0.1051	2.9900e-003	0.1081	0.0284	2.8500e-003	0.0312		285.1512	285.1512	0.0153		285.5325

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3.4 Mobilization - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3045	2.6448	1.8112	6.6400e-003		0.0970	0.0970		0.0893	0.0893		642.4578	642.4578	0.2078		647.6524
Total	0.3045	2.6448	1.8112	6.6400e-003		0.0970	0.0970		0.0893	0.0893		642.4578	642.4578	0.2078		647.6524

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor	0.0393	1.2251	0.3570	2.8900e-003	0.0722	3.5100e-003	0.0757	0.0208	3.3600e-003	0.0241		305.7025	305.7025	0.0186		306.1668
Worker	0.0664	0.0456	0.4593	1.2200e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		121.1696	121.1696	3.2300e-003		121.2503
Total	0.1057	1.2707	0.8162	4.1100e-003	0.2091	4.4300e-003	0.2136	0.0571	4.2100e-003	0.0613		426.8720	426.8720	0.0218		427.4171

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3.4 Mobilization - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3045	2.6448	1.8112	6.6400e-003		0.0970	0.0970		0.0893	0.0893	0.0000	642.4578	642.4578	0.2078		647.6524
Total	0.3045	2.6448	1.8112	6.6400e-003		0.0970	0.0970		0.0893	0.0893	0.0000	642.4578	642.4578	0.2078		647.6524

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor	0.0393	1.2251	0.3570	2.8900e-003	0.0696	3.5100e-003	0.0731	0.0202	3.3600e-003	0.0235		305.7025	305.7025	0.0186		306.1668
Worker	0.0664	0.0456	0.4593	1.2200e-003	0.1310	9.2000e-004	0.1319	0.0349	8.5000e-004	0.0357		121.1696	121.1696	3.2300e-003		121.2503
Total	0.1057	1.2707	0.8162	4.1100e-003	0.2006	4.4300e-003	0.2050	0.0550	4.2100e-003	0.0592		426.8720	426.8720	0.0218		427.4171

City Sacramento Groundwater Master Plan EIR - Sacramento County, Winter

3.5 Test Well Drilling - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.8086	33.8171	24.8847	0.0880		1.2519	1.2519		1.1678	1.1678		8,472.2724	8,472.2724	2.6044		8,537.3825
Total	3.8086	33.8171	24.8847	0.0880		1.2519	1.2519		1.1678	1.1678		8,472.2724	8,472.2724	2.6044		8,537.3825

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.2000e-004	0.0189	4.4800e-003	6.0000e-005	1.2400e-003	7.0000e-005	1.3100e-003	3.4000e-004	6.0000e-005	4.0000e-004		5.9005	5.9005	3.5000e-004		5.9093
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0664	0.0456	0.4593	1.2200e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		121.1696	121.1696	3.2300e-003		121.2503
Total	0.0670	0.0645	0.4638	1.2800e-003	0.1382	9.9000e-004	0.1392	0.0367	9.1000e-004	0.0376		127.0700	127.0700	3.5800e-003		127.1596

City Sacramento Groundwater Master Plan EIR - Sacramento County, Winter

3.5 Test Well Drilling - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.8086	33.8171	24.8847	0.0880		1.2519	1.2519		1.1678	1.1678	0.0000	8,472.2724	8,472.2724	2.6044		8,537.3825
Total	3.8086	33.8171	24.8847	0.0880		1.2519	1.2519		1.1678	1.1678	0.0000	8,472.2724	8,472.2724	2.6044		8,537.3825

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.2000e-004	0.0189	4.4800e-003	6.0000e-005	1.2000e-003	7.0000e-005	1.2600e-003	3.3000e-004	6.0000e-005	3.9000e-004		5.9005	5.9005	3.5000e-004		5.9093
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0664	0.0456	0.4593	1.2200e-003	0.1310	9.2000e-004	0.1319	0.0349	8.5000e-004	0.0357		121.1696	121.1696	3.2300e-003		121.2503
Total	0.0670	0.0645	0.4638	1.2800e-003	0.1322	9.9000e-004	0.1332	0.0352	9.1000e-004	0.0361		127.0700	127.0700	3.5800e-003		127.1596

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3.6 Test Well Testing - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9894	8.4997	7.3630	0.0199		0.3716	0.3716		0.3561	0.3561		1,907.9513	1,907.9513	0.4496		1,919.1901
Total	0.9894	8.4997	7.3630	0.0199		0.3716	0.3716		0.3561	0.3561		1,907.9513	1,907.9513	0.4496		1,919.1901

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0664	0.0456	0.4593	1.2200e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		121.1696	121.1696	3.2300e-003		121.2503
Total	0.0664	0.0456	0.4593	1.2200e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		121.1696	121.1696	3.2300e-003		121.2503

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3.6 Test Well Testing - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9894	8.4997	7.3630	0.0199		0.3716	0.3716		0.3561	0.3561	0.0000	1,907.951 3	1,907.951 3	0.4496		1,919.190 1
Total	0.9894	8.4997	7.3630	0.0199		0.3716	0.3716		0.3561	0.3561	0.0000	1,907.951 3	1,907.951 3	0.4496		1,919.190 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0664	0.0456	0.4593	1.2200e-003	0.1310	9.2000e-004	0.1319	0.0349	8.5000e-004	0.0357		121.1696	121.1696	3.2300e-003		121.2503
Total	0.0664	0.0456	0.4593	1.2200e-003	0.1310	9.2000e-004	0.1319	0.0349	8.5000e-004	0.0357		121.1696	121.1696	3.2300e-003		121.2503

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3.7 Production Well Drilling/Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.1161	36.5181	28.0195	0.0936		1.3982	1.3982		1.3140	1.3140		9,001.4921	9,001.4921	2.6320		9,067.2908
Total	4.1161	36.5181	28.0195	0.0936		1.3982	1.3982		1.3140	1.3140		9,001.4921	9,001.4921	2.6320		9,067.2908

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2400e-003	0.0454	0.0108	1.3000e-004	2.9800e-003	1.6000e-004	3.1400e-003	8.2000e-004	1.5000e-004	9.7000e-004		14.1611	14.1611	8.5000e-004		14.1823
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0664	0.0456	0.4593	1.2200e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		121.1696	121.1696	3.2300e-003		121.2503
Total	0.0677	0.0911	0.4701	1.3500e-003	0.1399	1.0800e-003	0.1410	0.0371	1.0000e-003	0.0381		135.3307	135.3307	4.0800e-003		135.4325

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3.7 Production Well Drilling/Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.1161	36.5181	28.0195	0.0936		1.3982	1.3982		1.3140	1.3140	0.0000	9,001.4920	9,001.4920	2.6320		9,067.2908
Total	4.1161	36.5181	28.0195	0.0936		1.3982	1.3982		1.3140	1.3140	0.0000	9,001.4920	9,001.4920	2.6320		9,067.2908

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2400e-003	0.0454	0.0108	1.3000e-004	2.8700e-003	1.6000e-004	3.0300e-003	7.9000e-004	1.5000e-004	9.4000e-004		14.1611	14.1611	8.5000e-004		14.1823
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0664	0.0456	0.4593	1.2200e-003	0.1310	9.2000e-004	0.1319	0.0349	8.5000e-004	0.0357		121.1696	121.1696	3.2300e-003		121.2503
Total	0.0677	0.0911	0.4701	1.3500e-003	0.1339	1.0800e-003	0.1349	0.0357	1.0000e-003	0.0367		135.3307	135.3307	4.0800e-003		135.4325

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3.8 Production Well Development/Testing - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9894	8.4997	7.3630	0.0199		0.3716	0.3716		0.3561	0.3561		1,907.9513	1,907.9513	0.4496		1,919.1901
Total	0.9894	8.4997	7.3630	0.0199		0.3716	0.3716		0.3561	0.3561		1,907.9513	1,907.9513	0.4496		1,919.1901

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0664	0.0456	0.4593	1.2200e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		121.1696	121.1696	3.2300e-003		121.2503
Total	0.0664	0.0456	0.4593	1.2200e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		121.1696	121.1696	3.2300e-003		121.2503

City Sacramento Groundwater Master Plan EIR - Sacramento County, Winter

3.8 Production Well Development/Testing - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9894	8.4997	7.3630	0.0199		0.3716	0.3716		0.3561	0.3561	0.0000	1,907.9513	1,907.9513	0.4496		1,919.1901
Total	0.9894	8.4997	7.3630	0.0199		0.3716	0.3716		0.3561	0.3561	0.0000	1,907.9513	1,907.9513	0.4496		1,919.1901

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0664	0.0456	0.4593	1.2200e-003	0.1310	9.2000e-004	0.1319	0.0349	8.5000e-004	0.0357		121.1696	121.1696	3.2300e-003		121.2503
Total	0.0664	0.0456	0.4593	1.2200e-003	0.1310	9.2000e-004	0.1319	0.0349	8.5000e-004	0.0357		121.1696	121.1696	3.2300e-003		121.2503

City Sacramento Groundwater Master Plan EIR - Sacramento County, Winter

3.9 Demobilization - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6089	5.2897	3.6224	0.0133		0.1940	0.1940		0.1785	0.1785		1,284.9156	1,284.9156	0.4156		1,295.3048
Total	0.6089	5.2897	3.6224	0.0133		0.1940	0.1940		0.1785	0.1785		1,284.9156	1,284.9156	0.4156		1,295.3048

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor	0.0327	1.0209	0.2975	2.4100e-003	0.0602	2.9300e-003	0.0631	0.0173	2.8000e-003	0.0201		254.7521	254.7521	0.0155		255.1390
Worker	0.0664	0.0456	0.4593	1.2200e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		121.1696	121.1696	3.2300e-003		121.2503
Total	0.0992	1.0665	0.7567	3.6300e-003	0.1971	3.8500e-003	0.2010	0.0536	3.6500e-003	0.0573		375.9216	375.9216	0.0187		376.3893

City Sacramento Groundwater Master Plan EIR - Sacramento County, Winter

3.9 Demobilization - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6089	5.2897	3.6224	0.0133		0.1940	0.1940		0.1785	0.1785	0.0000	1,284.9156	1,284.9156	0.4156		1,295.3048
Total	0.6089	5.2897	3.6224	0.0133		0.1940	0.1940		0.1785	0.1785	0.0000	1,284.9156	1,284.9156	0.4156		1,295.3048

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor	0.0327	1.0209	0.2975	2.4100e-003	0.0580	2.9300e-003	0.0610	0.0168	2.8000e-003	0.0196		254.7521	254.7521	0.0155		255.1390
Worker	0.0664	0.0456	0.4593	1.2200e-003	0.1310	9.2000e-004	0.1319	0.0349	8.5000e-004	0.0357		121.1696	121.1696	3.2300e-003		121.2503
Total	0.0992	1.0665	0.7567	3.6300e-003	0.1890	3.8500e-003	0.1929	0.0517	3.6500e-003	0.0553		375.9216	375.9216	0.0187		376.3893

City Sacramento Groundwater Master Plan EIR - Sacramento County, Winter

3.10 Well Equipping Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.0074	14.7875	14.4469	0.0249		0.7470	0.7470		0.7285	0.7285		2,265.4610	2,265.4610	0.3471		2,274.1388
Total	2.0074	14.7875	14.4469	0.0249		0.7470	0.7470		0.7285	0.7285		2,265.4610	2,265.4610	0.3471		2,274.1388

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0000e-004	3.5300e-003	8.4000e-004	1.0000e-005	2.3000e-004	1.0000e-005	2.4000e-004	6.0000e-005	1.0000e-005	8.0000e-005		1.1014	1.1014	7.0000e-005		1.1031
Vendor	6.5500e-003	0.2042	0.0595	4.8000e-004	0.0120	5.9000e-004	0.0126	3.4600e-003	5.6000e-004	4.0200e-003		50.9504	50.9504	3.1000e-003		51.0278
Worker	0.0664	0.0456	0.4593	1.2200e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		121.1696	121.1696	3.2300e-003		121.2503
Total	0.0731	0.2533	0.5196	1.7100e-003	0.1492	1.5200e-003	0.1507	0.0398	1.4200e-003	0.0413		173.2214	173.2214	6.4000e-003		173.3811

City Sacramento Groundwater Master Plan EIR - Sacramento County, Winter

3.10 Well Equipping Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.0074	14.7875	14.4469	0.0249		0.7470	0.7470		0.7285	0.7285	0.0000	2,265.4609	2,265.4609	0.3471		2,274.1388
Total	2.0074	14.7875	14.4469	0.0249		0.7470	0.7470		0.7285	0.7285	0.0000	2,265.4609	2,265.4609	0.3471		2,274.1388

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0000e-004	3.5300e-003	8.4000e-004	1.0000e-005	2.2000e-004	1.0000e-005	2.4000e-004	6.0000e-005	1.0000e-005	7.0000e-005		1.1014	1.1014	7.0000e-005		1.1031
Vendor	6.5500e-003	0.2042	0.0595	4.8000e-004	0.0116	5.9000e-004	0.0122	3.3600e-003	5.6000e-004	3.9200e-003		50.9504	50.9504	3.1000e-003		51.0278
Worker	0.0664	0.0456	0.4593	1.2200e-003	0.1310	9.2000e-004	0.1319	0.0349	8.5000e-004	0.0357		121.1696	121.1696	3.2300e-003		121.2503
Total	0.0731	0.2533	0.5196	1.7100e-003	0.1428	1.5200e-003	0.1443	0.0383	1.4200e-003	0.0397		173.2214	173.2214	6.4000e-003		173.3811

City Sacramento Groundwater Master Plan EIR - Sacramento County, Winter

3.11 Site Paving/Landscaping - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830		1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830		1,296.8664	1,296.8664	0.4111		1,307.1442

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0480	0.0329	0.3317	8.8000e-004	0.0989	6.7000e-004	0.0996	0.0262	6.2000e-004	0.0269		87.5114	87.5114	2.3300e-003		87.5697
Total	0.0480	0.0329	0.3317	8.8000e-004	0.0989	6.7000e-004	0.0996	0.0262	6.2000e-004	0.0269		87.5114	87.5114	2.3300e-003		87.5697

City Sacramento Groundwater Master Plan EIR - Sacramento County, Winter

3.11 Site Paving/Landscaping - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830	0.0000	1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830	0.0000	1,296.8664	1,296.8664	0.4111		1,307.1442

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0480	0.0329	0.3317	8.8000e-004	0.0946	6.7000e-004	0.0953	0.0252	6.2000e-004	0.0258		87.5114	87.5114	2.3300e-003		87.5697
Total	0.0480	0.0329	0.3317	8.8000e-004	0.0946	6.7000e-004	0.0953	0.0252	6.2000e-004	0.0258		87.5114	87.5114	2.3300e-003		87.5697

4.0 Operational Detail - Mobile
