
APPENDIX C

South County Infrastructure Project Air and Greenhouse Gas Emissions Report: Methodology And Calculations

SOUTH COUNTY INFRASTRUCTURE PROJECT AIR AND GREENHOUSE GAS EMISSIONS REPORT: METHODOLOGY AND CALCULATIONS

For the South County Infrastructure project, air pollutant and greenhouse gas (GHG) emissions from construction and limited operational activities were estimated using the Sacramento Metropolitan Air Quality Management District (SMAQMD) Roadway Construction Emissions Model (Version 9.0) and California Emissions Estimator Model (CalEEMod) Version 2020.4.0. Activities proposed for construction and operation that would result in air emissions and assumptions used to complete the modeling are outlined below.

The project would be constructed beginning in early 2024. Exact phasing will be up to the contractor; however, based on funding, it is assumed the SSO reduction measures and the City of Wheatland pipeline connector would be constructed first. Because the wastewater treatment plant (WWTP) improvements are a component of the SSO reduction measures, it is likely these improvements would occur next. This analysis assumes no pipeline construction will overlap, and multiple passes are expected on Rancho Road. The analysis also assumes pump and lift station construction may individually overlap with pipeline construction, as will construction of WWTP and water treatment plant facilities. Using a typical equipment list of off-road heavy-duty equipment required for this type of project and information provided by the project applicant, reasonable assumptions were made to modify the Roadway Model and CalEEMod default values.

Project Component	Assumptions
Phase I (2024)	
<i>SSO force main and crossings and City of Wheatland Pipeline Connector</i> Trenching for force main and HDD for crossings 36,758 lineal feet (7.0 miles)	<ul style="list-style-type: none"> - Assumes 2.5 acres disturbed based on trenching width average of 3 feet and lineal feet of pipe (with a maximum of 0.02 acres/day) - Assumes 7 months based on proportion of total pipeline construction over 27 months - Estimated using the Roadway Construction Emissions Model - Default equipment modified based on off-road equipment and hauling information provided by engineer - Hauling information based on estimated imports of concrete, Class 2AB, CLSM, asphalt, and other project materials, and export of 95% of excavated materials as provided by engineer
<i>SSO Pump Station PS 1</i> 8,215 square feet; 200 hp generator <i>SSO Pump Station PS 2</i> 8,215 square feet; 200 hp generator (assumed information) <i>SSO Pump Station PS 26</i> 20,400 square feet; 335 hp generator <i>Pump Station PS 21 (Wheatland)</i> 10,260 square feet; 335 hp generator	<ul style="list-style-type: none"> - Assumes 2 trips per month for maintenance and generator testing (included in PS 1 modeling) - Assumes 30 minutes per month for back-up generator testing (max 0.5 hrs per day, 6 hrs per month) - Construction equipment provided by project engineer - Construction duration would result in construction emissions in both Phase I and Phase II - Estimated using CalEEMod with default values beyond equipment type

<p><i>South County Service Area Wastewater Pipelines</i> <i>Force main and crossings</i> Trenching for force main and HDD for crossings 44,440 lineal feet (8.4 miles)</p>	<ul style="list-style-type: none"> - Assumes 3.1 acres disturbed based on trenching width average of 3 feet and lineal feet of pipe (with a maximum of 0.02 acres/day) - Assumes 8.5 months based on proportion of total pipeline construction over 27 months - It is assumed construction of the South County force main would begin upon conclusion of the SSO force main and Wheatland connector in 2024, and carry over into 2025 - Estimated using the Roadway Construction Emissions Model - Default equipment modified based on off-road equipment provided by engineer - Hauling information based on estimated imports of concrete, Class 2AB, CLSM, asphalt, and other project materials, and export of 95% of excavated materials as provided by engineer
Phase II (2025)	
<p><i>Wastewater Treatment Plant Improvements</i> Approximately 69,000 square feet of area <i>Emergency Storage Basin</i> Approximately 4 acres.</p>	<ul style="list-style-type: none"> - Assumes 150,401 cubic yards of export - Assumes 4,403 cubic yards of concrete imported - Phasing, equipment, and worker trips provided by engineer - Estimated using CalEEMod
<p><i>South County Service Area Wastewater Pipelines</i> <i>Force main and crossings</i></p>	<ul style="list-style-type: none"> - Construction assumptions included above in Phase I; a portion of this project component would be constructed in 2025
<p><i>SSO PS 1, SSO PS 2, SSO PS 26, & PS 21</i></p>	<ul style="list-style-type: none"> - Construction assumptions included above in Phase I; a portion of this project component would be constructed in 2025
Phase III (2026)	
<p><i>Water Supply and Delivery Pipelines</i> Trenching for pipeline and HDD for crossings 36,939 lineal feet (7.0 miles)</p>	<ul style="list-style-type: none"> - Assumes 2.5 acres disturbed based on trenching width average of 3 feet and lineal feet of pipe (with a maximum of 0.02 acres/day) - Assumes 7 months based on proportion of total pipeline construction over 27 months - Estimated using the Roadway Construction Emissions Model - Default equipment modified based on off-road equipment and hauling information provided by engineer - Hauling information based on estimated imports of concrete, Class 2AB, CLSM, asphalt, and other project materials, and export of 95% of excavated materials as provided by engineer
<p><i>Water Plant</i> Area of Improvements – 42,000 square feet 600 KW back-up generator (805 hp)</p>	<ul style="list-style-type: none"> - Assumes 30 minutes per month for back-up generator testing (operations) - Assumes 2 trips per month for maintenance and generator testing - Construction equipment provided by project engineer - Estimated using CalEEMod

<p><i>South County Service Area Sanitary Sewer pipelines</i> Trenching for pipelines 23,130 lineal feet (4.4 miles)</p>	<ul style="list-style-type: none"> - Assumes 1.6 acres disturbed based on trenching width average of 3 feet and lineal feet of pipe (with a maximum of 0.02 acres/day) - Assumes 4.5 months based on proportion of total pipeline construction over 27 months - Estimated using the Roadway Construction Emissions Model - Default equipment modified based on off-road equipment and hauling information provided by engineer - Hauling information based on estimated imports of concrete, Class 2AB, CLSM, asphalt, and other project materials, and export of 95% of excavated materials as provided by engineer
<p><i>Lift Station LS 22</i> 4,330 square feet; 45 hp generator <i>Lift Station LS 23</i> 5,075 square feet; 45 hp generator <i>Lift Station LS 24</i> 6,160 square feet; 165 hp generator <i>Pump Station PS 25</i> 10,220 square feet; 240 hp generator</p>	<ul style="list-style-type: none"> - Assumes 2 trips per month for maintenance and generator testing (included in PS 1 modeling) - Assumes 30 minutes per month for back-up generator testing (max 0.5 hrs per day, 6 hrs per month) - Construction equipment provided by project engineer - Estimated using CalEEMod with default values beyond equipment type

Construction Criteria Air Pollutant and Precursor Significance Determination

Phase	ROG (lbs/day)	NOX (lbs/day)	Total PM10 (lbs/day)	ROG* (tons/year)	Nox* (tons/year)	CO2e (metric tons/yr)
<i>Phase I (2024)</i>						
SSO force main + Wheatland connector	4.23	45.68	2.04	0.28	2.90	660
PS-1	2.01	17.49	6.29	0.17	1.24	317
PS-2 (assumed)	2.01	17.49	6.29	0.17	1.24	317
PS-26	2.01	17.49	5.76	0.17	1.29	325
PS-21 (Wheatland)	2.01	17.49	5.76	0.17	1.29	325
South County Force Main (1)	4.40	46.76	2.08	0.21	2.09	457
Total Max Unmitigated Emissions	12.27	115.64	26.14	1.17	10.05	2,401
AQMD Threshold*	25 lbs/day	25 lbs/day	80 lbs/day	4.5	4.5	NA
Exceed Threshold?	NO	YES*	NO	NO	YES	
Mitigated Emissions					8.04	
Exceed Threshold					YES	

Note: (1) It is assumed construction of the South County force main pipeline would begin upon conclusion of the SSO force main and Wheatland connector. The first 2 phases of the force main are included in year 2024, though construction would not overlap with the SSO force main and are therefore not included in maximum daily emissions.

	ROG (lbs/day)	NOX (lbs/day)	Total PM10 (lbs/day)	ROG* (tons/year)	Nox* (tons/year)	CO2e (metric tons/yr)
<i>Phase II (2025)</i>						
PS-1	12.19	10.71	0.53	0.23	0.91	293
PS-2 (assumed)	12.19	10.71	0.53	0.23	0.91	317
PS-26	11.13	10.71	0.53	0.26	1.10	353
PS-21 (Wheatland)	11.13	10.71	0.53	0.26	1.10	353
South County Force Main (2)	4.05	39.9	2.08	0.14	1.36	324
WWTP Improvements	1.96	18.3	2.55	0.16	1.56	380
Sewer Pipeline (2)	3.59	38.78	1.74	0.15	1.57	404
Total Max Unmitigated Emissions	52.65	101.04	6.75	1.43	8.51	2,424
AQMD Threshold*	25 lbs/day	25 lbs/day	80 lbs/day	4.5	4.5	NA
Exceed Threshold?	YES*	YES*	NO	NO	YES	

Mitigated Emissions					6.81	
Exceed Threshold					YES	

Note: (2) It is assumed construction of the South County force main pipeline would begin upon conclusion of the SSO force main and Wheatland connector in 2024. The last 2 phases of the force main are included in year 2025, though construction would not overlap with the sewer pipeline; therefore the sewer pipeline is not included in maximum daily emissions.

	ROG (lbs/day)	NOX (lbs/day)	Total PM10 (lbs/day)	ROG* (tons/year)	Nox* (tons/year)	CO2e (metric tons/yr)
<i>Phase III (2026)</i>						
Water Plant	98.45	25.51	6.63	0.70	1.51	451
Water Pipeline	3.88	40.86	1.82	0.26	2.62	658
LS-22	2.01	17.50	9.67	0.17	1.25	335
LS-23	20.79	17.5	10.54	0.26	1.27	339
LS-24	17.3	34.18	7.84	0.33	1.88	503
PS-25	17.3	34.19	7.84	0.33	1.88	503
Total Max Unmitigated Emissions	159.73	169.74	44.34	2.05	10.41	2,789
AQMD Threshold*	25 lbs/day	25 lbs/day	80 lbs/day	4.5	4.5	NA
Exceed Threshold?	YES*	YES*	NO	NO	YES	
Mitigated Emissions					8.33	
Exceed Threshold					YES	

	ROG (lbs/day)	NOX (lbs/day)	Total PM10 (lbs/day)	ROG* (tons/year)	Nox* (tons/year)	CO2e (metric tons/yr)
<i>Phase IV (2027)</i>						
LS-22	18.92	10.71	0.53	0.11	0.12	38
LS-24	14.3	10.71	0.41	0.02	0.02	6
PS-25	14.3	10.71	0.41	0.02	0.02	6
Total Max Unmitigated Emissions	47.52	32.13	1.35	0.15	0.16	50
AQMD Threshold*	25 lbs/day	25 lbs/day	80 lbs/day	4.5	4.5	NA
Exceed Threshold?	YES*	YES*	NO	NO	NO	

*The greater summer or winter emissions from CalEEMod is shown. See Appendix for CalEEMod results.

FRAQMD Construction Phase Mitigation Measures (FRAQMD 2016)

FRAQMD Construction Phase Mitigation Measures (FRAQMD 2016) requires a project wide fleet-average 20 percent NOx reduction

Operational Criteria Air Pollutant and Precursor Significance Determination

Project Component	ROG (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	CO2e (metric tons/yr)
PS-1	0.39	0.46	0.02	0.46
PS-2 (assumed)	0.39	0.46	0.02	0.46
PS-26	0.76	0.77	0.04	0.77
PS-21 (Wheatland)	0.55	0.77	0.04	0.77
PS-22	0.18	0.19	0.02	0.10
PS-23	0.20	0.19	0.02	0.10
PS-24	0.32	0.38	0.02	0.38
PS-25	0.47	0.55	0.03	0.55
Water Plant	1.83	2.95	0.10	2.42
Total Max Unmitigated Emissions	5.09	6.72	0.31	6.01
AQMD Threshold*	25 lbs/day	25 lbs/day	80 lbs/day	NA
Exceed Threshold?	NO	NO	NO	

Pump Station 1A & 1B - Yuba County, Annual

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

Pump Station 1A & 1B

Yuba County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	8.21	1000sqft	0.19	8,215.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

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Trips and VMT -

Grading -

Vehicle Trips - Assumes 2 trips per month for maintenance

Energy Use - n/a

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	18.00
tblConstructionPhase	NumDays	100.00	18.00
tblConstructionPhase	NumDays	100.00	72.00
tblConstructionPhase	NumDays	2.00	54.00
tblConstructionPhase	NumDays	5.00	18.00
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6550e-003	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.5660e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.4350e-003	0.00

Pump Station 1A & 1B - Yuba County, Annual

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

tblFleetMix	MHD	6.5250e-003	0.00
tblFleetMix	OBUS	5.4900e-004	0.00
tblFleetMix	SBUS	2.4430e-003	0.00
tblFleetMix	UBUS	1.3840e-003	0.00
tblLandUse	LandUseSquareFeet	8,210.00	8,215.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	7.72	0.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	1,898,562.50	0.00

Pump Station 1A & 1B - Yuba County, Annual

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

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					
2024	0.1656	1.2423	1.2731	3.5900e-003	0.1629	0.0517	0.2146	0.0745	0.0478	0.1223	0.0000	314.4395	314.4395	0.0953	4.7000e-004	316.9613
2025	0.2302	0.9116	1.1655	3.3400e-003	9.2600e-003	0.0351	0.0444	2.4700e-003	0.0325	0.0350	0.0000	291.1280	291.1280	0.0892	3.3000e-004	293.4581
Maximum	0.2302	1.2423	1.2731	3.5900e-003	0.1629	0.0517	0.2146	0.0745	0.0478	0.1223	0.0000	314.4395	314.4395	0.0953	4.7000e-004	316.9613

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.1656	1.2423	1.2731	3.5900e-003	0.1629	0.0517	0.2146	0.0745	0.0478	0.1223	0.0000	314.4392	314.4392	0.0953	4.7000e-004	316.9609
2025	0.2302	0.9116	1.1655	3.3400e-003	9.2600e-003	0.0351	0.0444	2.4700e-003	0.0325	0.0350	0.0000	291.1277	291.1277	0.0892	3.3000e-004	293.4577
Maximum	0.2302	1.2423	1.2731	3.5900e-003	0.1629	0.0517	0.2146	0.0745	0.0478	0.1223	0.0000	314.4392	314.4392	0.0953	4.7000e-004	316.9609

Pump Station 1A & 1B - Yuba County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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)
1	1-1-2024	3-31-2024	0.5727	0.5727
2	4-1-2024	6-30-2024	0.3065	0.3065
3	7-1-2024	9-30-2024	0.2761	0.2761
4	10-1-2024	12-31-2024	0.2451	0.2451
5	1-1-2025	3-31-2025	0.2677	0.2677
6	4-1-2025	6-30-2025	0.3489	0.3489
7	7-1-2025	9-30-2025	0.4047	0.4047
		Highest	0.5727	0.5727

Pump Station 1A & 1B - Yuba County, Annual

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0416	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-004	1.5000e-004	0.0000	0.0000	1.6000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	9.8000e-004	2.7500e-003	2.5100e-003	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	0.4570	0.4570	6.0000e-005	0.0000	0.4586
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	0.0426	2.7500e-003	2.5900e-003	0.0000	0.0000	1.4000e-004	1.4000e-004	0.0000	1.4000e-004	1.4000e-004	0.0000	0.4571	0.4571	6.0000e-005	0.0000	0.4587

Pump Station 1A & 1B - Yuba County, Annual

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0416	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-004	1.5000e-004	0.0000	0.0000	1.6000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	9.8000e-004	2.7500e-003	2.5100e-003	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	0.4570	0.4570	6.0000e-005	0.0000	0.4586
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	0.0426	2.7500e-003	2.5900e-003	0.0000	0.0000	1.4000e-004	1.4000e-004	0.0000	1.4000e-004	1.4000e-004	0.0000	0.4571	0.4571	6.0000e-005	0.0000	0.4587

	ROG	NOx	CO	SO2	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	Grading Rough	Grading	1/1/2024	3/14/2024	5	54	
2	Piping Underground	Trenching	3/15/2024	8/13/2024	5	108	

Pump Station 1A & 1B - Yuba County, Annual

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

3	Site Electrical	Trenching	8/14/2024	1/10/2025	5	108
4	Site Lighting	Trenching	1/11/2025	2/5/2025	5	18
5	Wet Well Construction	Trenching	2/6/2025	4/22/2025	5	54
6	Wall and Generator	Building Construction	4/23/2025	5/16/2025	5	18
7	Pumps and Piping	Building Construction	5/17/2025	8/26/2025	5	72
8	Final Grading and Paving	Paving	8/27/2025	9/19/2025	5	18
9	PG&E Site Painting	Architectural Coating	9/20/2025	10/15/2025	5	18

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 40.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 12,323; Non-Residential Indoor: 4,108; Striped Parking Area: 0
 (Architectural Coating – sqft)

Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading Rough	Dumpers/Tenders	1	6.00	16	0.38
Grading Rough	Excavators	1	6.00	158	0.38
Grading Rough	Forklifts	1	6.00	89	0.20
Grading Rough	Graders	1	6.00	187	0.41
Grading Rough	Off-Highway Trucks	2	6.00	250	0.38
Grading Rough	Plate Compactors	1	6.00	8	0.43
Grading Rough	Rollers	1	6.00	80	0.38
Grading Rough	Rubber Tired Dozers	1	6.00	247	0.40
Grading Rough	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Piping Underground	Dumpers/Tenders	1	6.00	16	0.38
Piping Underground	Forklifts	1	6.00	89	0.20
Piping Underground	Off-Highway Trucks	2	6.00	250	0.38
Piping Underground	Off-Highway Trucks	1	6.00	402	0.38

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

Piping Underground	Plate Compactors	1	6.00	8	0.43
Piping Underground	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Electrical	Dumpers/Tenders	1	6.00	16	0.38
Site Electrical	Forklifts	1	6.00	89	0.20
Site Electrical	Off-Highway Trucks	1	6.00	250	0.38
Site Electrical	Off-Highway Trucks	1	6.00	402	0.38
Site Electrical	Plate Compactors	1	6.00	8	0.43
Site Electrical	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Lighting	Dumpers/Tenders	1	6.00	16	0.38
Site Lighting	Forklifts	1	6.00	89	0.20
Site Lighting	Off-Highway Trucks	1	6.00	250	0.38
Site Lighting	Off-Highway Trucks	1	6.00	402	0.38
Site Lighting	Plate Compactors	1	6.00	8	0.43
Site Lighting	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wet Well Construction	Cranes	1	1.00	231	0.29
Wet Well Construction	Dumpers/Tenders	1	6.00	16	0.38
Wet Well Construction	Excavators	1	4.00	158	0.38
Wet Well Construction	Forklifts	1	6.00	89	0.20
Wet Well Construction	Off-Highway Trucks	2	6.00	250	0.38
Wet Well Construction	Off-Highway Trucks	1	6.00	402	0.38
Wet Well Construction	Plate Compactors	1	6.00	8	0.43
Wet Well Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wall and Generator	Aerial Lifts	1	8.00	63	0.31
Wall and Generator	Dumpers/Tenders	1	8.00	16	0.38
Wall and Generator	Forklifts	1	8.00	89	0.20
Wall and Generator	Off-Highway Trucks	2	8.00	250	0.38
Wall and Generator	Off-Highway Trucks	1	8.00	402	0.38
Wall and Generator	Plate Compactors	1	8.00	8	0.43
Wall and Generator	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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Pumps and Piping	Aerial Lifts	1	6.00	63	0.31
Pumps and Piping	Dumpers/Tenders	1	6.00	16	0.38
Pumps and Piping	Excavators	1	6.00	158	0.38
Pumps and Piping	Forklifts	1	6.00	89	0.20
Pumps and Piping	Off-Highway Trucks	2	6.00	250	0.38
Pumps and Piping	Off-Highway Trucks	1	6.00	402	0.38
Pumps and Piping	Plate Compactors	1	6.00	8	0.43
Pumps and Piping	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Pumps and Piping	Welders	1	6.00	46	0.45
Final Grading and Paving	Dumpers/Tenders	1	6.00	16	0.38
Final Grading and Paving	Forklifts	1	6.00	89	0.20
Final Grading and Paving	Graders	1	6.00	187	0.41
Final Grading and Paving	Off-Highway Trucks	1	6.00	250	0.38
Final Grading and Paving	Off-Highway Trucks	1	6.00	402	0.38
Final Grading and Paving	Pavers	1	6.00	130	0.42
Final Grading and Paving	Plate Compactors	1	6.00	8	0.43
Final Grading and Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
PG&E Site Painting	Aerial Lifts	2	6.00	63	0.31
PG&E Site Painting	Dumpers/Tenders	1	3.00	16	0.38
PG&E Site Painting	Forklifts	1	6.00	89	0.20
PG&E Site Painting	Off-Highway Trucks	4	8.00	250	0.38
PG&E Site Painting	Off-Highway Trucks	1	3.00	402	0.38
PG&E Site Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading Rough	11	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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

Piping Underground	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Electrical	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Lighting	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wet Well Construction	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wall and Generator	8	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Pumps and Piping	10	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading and Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PG&E Site Painting	10	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading Rough - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1434	0.0000	0.1434	0.0694	0.0000	0.0694	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0516	0.4708	0.4089	9.8000e-004		0.0202	0.0202		0.0186	0.0186	0.0000	85.2555	85.2555	0.0272	0.0000	85.9353
Total	0.0516	0.4708	0.4089	9.8000e-004	0.1434	0.0202	0.1636	0.0694	0.0186	0.0880	0.0000	85.2555	85.2555	0.0272	0.0000	85.9353

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

3.2 Grading Rough - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3400e-003	1.5700e-003	0.0187	5.0000e-005	5.9400e-003	3.0000e-005	5.9700e-003	1.5800e-003	3.0000e-005	1.6100e-003	0.0000	4.7317	4.7317	1.5000e-004	1.4000e-004	4.7778
Total	2.3400e-003	1.5700e-003	0.0187	5.0000e-005	5.9400e-003	3.0000e-005	5.9700e-003	1.5800e-003	3.0000e-005	1.6100e-003	0.0000	4.7317	4.7317	1.5000e-004	1.4000e-004	4.7778

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1434	0.0000	0.1434	0.0694	0.0000	0.0694	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0516	0.4708	0.4089	9.8000e-004		0.0202	0.0202		0.0186	0.0186	0.0000	85.2554	85.2554	0.0272	0.0000	85.9352
Total	0.0516	0.4708	0.4089	9.8000e-004	0.1434	0.0202	0.1636	0.0694	0.0186	0.0880	0.0000	85.2554	85.2554	0.0272	0.0000	85.9352

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3.2 Grading Rough - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3400e-003	1.5700e-003	0.0187	5.0000e-005	5.9400e-003	3.0000e-005	5.9700e-003	1.5800e-003	3.0000e-005	1.6100e-003	0.0000	4.7317	4.7317	1.5000e-004	1.4000e-004	4.7778
Total	2.3400e-003	1.5700e-003	0.0187	5.0000e-005	5.9400e-003	3.0000e-005	5.9700e-003	1.5800e-003	3.0000e-005	1.6100e-003	0.0000	4.7317	4.7317	1.5000e-004	1.4000e-004	4.7778

3.3 Piping Underground - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0618	0.4422	0.4579	1.4300e-003		0.0181	0.0181		0.0167	0.0167	0.0000	124.8303	124.8303	0.0396	0.0000	125.8206
Total	0.0618	0.4422	0.4579	1.4300e-003		0.0181	0.0181		0.0167	0.0167	0.0000	124.8303	124.8303	0.0396	0.0000	125.8206

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3.3 Piping Underground - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0100e-003	2.0100e-003	0.0241	7.0000e-005	7.6400e-003	4.0000e-005	7.6800e-003	2.0300e-003	4.0000e-005	2.0700e-003	0.0000	6.0837	6.0837	1.9000e-004	1.8000e-004	6.1429
Total	3.0100e-003	2.0100e-003	0.0241	7.0000e-005	7.6400e-003	4.0000e-005	7.6800e-003	2.0300e-003	4.0000e-005	2.0700e-003	0.0000	6.0837	6.0837	1.9000e-004	1.8000e-004	6.1429

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0618	0.4422	0.4579	1.4300e-003		0.0181	0.0181		0.0167	0.0167	0.0000	124.8302	124.8302	0.0396	0.0000	125.8204
Total	0.0618	0.4422	0.4579	1.4300e-003		0.0181	0.0181		0.0167	0.0167	0.0000	124.8302	124.8302	0.0396	0.0000	125.8204

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3.3 Piping Underground - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0100e-003	2.0100e-003	0.0241	7.0000e-005	7.6400e-003	4.0000e-005	7.6800e-003	2.0300e-003	4.0000e-005	2.0700e-003	0.0000	6.0837	6.0837	1.9000e-004	1.8000e-004	6.1429
Total	3.0100e-003	2.0100e-003	0.0241	7.0000e-005	7.6400e-003	4.0000e-005	7.6800e-003	2.0300e-003	4.0000e-005	2.0700e-003	0.0000	6.0837	6.0837	1.9000e-004	1.8000e-004	6.1429

3.4 Site Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0445	0.3242	0.3449	1.0200e-003		0.0133	0.0133		0.0123	0.0123	0.0000	88.8442	88.8442	0.0280	0.0000	89.5449
Total	0.0445	0.3242	0.3449	1.0200e-003		0.0133	0.0133		0.0123	0.0123	0.0000	88.8442	88.8442	0.0280	0.0000	89.5449

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3.4 Site Electrical - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3300e-003	1.5500e-003	0.0186	5.0000e-005	5.9000e-003	3.0000e-005	5.9300e-003	1.5700e-003	3.0000e-005	1.6000e-003	0.0000	4.6942	4.6942	1.5000e-004	1.4000e-004	4.7399
Total	2.3300e-003	1.5500e-003	0.0186	5.0000e-005	5.9000e-003	3.0000e-005	5.9300e-003	1.5700e-003	3.0000e-005	1.6000e-003	0.0000	4.6942	4.6942	1.5000e-004	1.4000e-004	4.7399

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0445	0.3242	0.3449	1.0200e-003		0.0133	0.0133		0.0123	0.0123	0.0000	88.8441	88.8441	0.0280	0.0000	89.5448
Total	0.0445	0.3242	0.3449	1.0200e-003		0.0133	0.0133		0.0123	0.0123	0.0000	88.8441	88.8441	0.0280	0.0000	89.5448

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3.4 Site Electrical - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3300e-003	1.5500e-003	0.0186	5.0000e-005	5.9000e-003	3.0000e-005	5.9300e-003	1.5700e-003	3.0000e-005	1.6000e-003	0.0000	4.6942	4.6942	1.5000e-004	1.4000e-004	4.7399
Total	2.3300e-003	1.5500e-003	0.0186	5.0000e-005	5.9000e-003	3.0000e-005	5.9300e-003	1.5700e-003	3.0000e-005	1.6000e-003	0.0000	4.6942	4.6942	1.5000e-004	1.4000e-004	4.7399

3.4 Site Electrical - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.3600e-003	0.0229	0.0271	8.0000e-005		9.0000e-004	9.0000e-004		8.3000e-004	8.3000e-004	0.0000	7.1065	7.1065	2.2400e-003	0.0000	7.1626
Total	3.3600e-003	0.0229	0.0271	8.0000e-005		9.0000e-004	9.0000e-004		8.3000e-004	8.3000e-004	0.0000	7.1065	7.1065	2.2400e-003	0.0000	7.1626

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3.4 Site Electrical - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.1000e-004	1.3700e-003	0.0000	4.7000e-004	0.0000	4.7000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3664	0.3664	1.0000e-005	1.0000e-005	0.3698
Total	1.7000e-004	1.1000e-004	1.3700e-003	0.0000	4.7000e-004	0.0000	4.7000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3664	0.3664	1.0000e-005	1.0000e-005	0.3698

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.3600e-003	0.0229	0.0271	8.0000e-005		9.0000e-004	9.0000e-004		8.3000e-004	8.3000e-004	0.0000	7.1065	7.1065	2.2400e-003	0.0000	7.1626
Total	3.3600e-003	0.0229	0.0271	8.0000e-005		9.0000e-004	9.0000e-004		8.3000e-004	8.3000e-004	0.0000	7.1065	7.1065	2.2400e-003	0.0000	7.1626

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

3.4 Site Electrical - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.1000e-004	1.3700e-003	0.0000	4.7000e-004	0.0000	4.7000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3664	0.3664	1.0000e-005	1.0000e-005	0.3698
Total	1.7000e-004	1.1000e-004	1.3700e-003	0.0000	4.7000e-004	0.0000	4.7000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3664	0.3664	1.0000e-005	1.0000e-005	0.3698

3.5 Site Lighting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.5600e-003	0.0515	0.0610	1.8000e-004		2.0200e-003	2.0200e-003		1.8800e-003	1.8800e-003	0.0000	15.9897	15.9897	5.0400e-003	0.0000	16.1158
Total	7.5600e-003	0.0515	0.0610	1.8000e-004		2.0200e-003	2.0200e-003		1.8800e-003	1.8800e-003	0.0000	15.9897	15.9897	5.0400e-003	0.0000	16.1158

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

3.5 Site Lighting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.5000e-004	3.0900e-003	1.0000e-005	1.0600e-003	1.0000e-005	1.0700e-003	2.8000e-004	0.0000	2.9000e-004	0.0000	0.8245	0.8245	2.0000e-005	2.0000e-005	0.8320
Total	3.9000e-004	2.5000e-004	3.0900e-003	1.0000e-005	1.0600e-003	1.0000e-005	1.0700e-003	2.8000e-004	0.0000	2.9000e-004	0.0000	0.8245	0.8245	2.0000e-005	2.0000e-005	0.8320

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.5600e-003	0.0515	0.0610	1.8000e-004		2.0200e-003	2.0200e-003		1.8800e-003	1.8800e-003	0.0000	15.9897	15.9897	5.0400e-003	0.0000	16.1158
Total	7.5600e-003	0.0515	0.0610	1.8000e-004		2.0200e-003	2.0200e-003		1.8800e-003	1.8800e-003	0.0000	15.9897	15.9897	5.0400e-003	0.0000	16.1158

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

3.5 Site Lighting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.5000e-004	3.0900e-003	1.0000e-005	1.0600e-003	1.0000e-005	1.0700e-003	2.8000e-004	0.0000	2.9000e-004	0.0000	0.8245	0.8245	2.0000e-005	2.0000e-005	0.8320
Total	3.9000e-004	2.5000e-004	3.0900e-003	1.0000e-005	1.0600e-003	1.0000e-005	1.0700e-003	2.8000e-004	0.0000	2.9000e-004	0.0000	0.8245	0.8245	2.0000e-005	2.0000e-005	0.8320

3.6 Wet Well Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0323	0.2199	0.2741	8.1000e-004		8.8000e-003	8.8000e-003		8.1400e-003	8.1400e-003	0.0000	70.2475	70.2475	0.0223	0.0000	70.8060
Total	0.0323	0.2199	0.2741	8.1000e-004		8.8000e-003	8.8000e-003		8.1400e-003	8.1400e-003	0.0000	70.2475	70.2475	0.0223	0.0000	70.8060

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

3.6 Wet Well Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7900e-003	1.1400e-003	0.0142	4.0000e-005	4.8800e-003	2.0000e-005	4.9100e-003	1.3000e-003	2.0000e-005	1.3200e-003	0.0000	3.7925	3.7925	1.1000e-004	1.1000e-004	3.8274
Total	1.7900e-003	1.1400e-003	0.0142	4.0000e-005	4.8800e-003	2.0000e-005	4.9100e-003	1.3000e-003	2.0000e-005	1.3200e-003	0.0000	3.7925	3.7925	1.1000e-004	1.1000e-004	3.8274

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0323	0.2199	0.2741	8.1000e-004		8.8000e-003	8.8000e-003		8.1400e-003	8.1400e-003	0.0000	70.2474	70.2474	0.0223	0.0000	70.8059
Total	0.0323	0.2199	0.2741	8.1000e-004		8.8000e-003	8.8000e-003		8.1400e-003	8.1400e-003	0.0000	70.2474	70.2474	0.0223	0.0000	70.8059

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

3.6 Wet Well Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7900e-003	1.1400e-003	0.0142	4.0000e-005	4.8800e-003	2.0000e-005	4.9100e-003	1.3000e-003	2.0000e-005	1.3200e-003	0.0000	3.7925	3.7925	1.1000e-004	1.1000e-004	3.8274
Total	1.7900e-003	1.1400e-003	0.0142	4.0000e-005	4.8800e-003	2.0000e-005	4.9100e-003	1.3000e-003	2.0000e-005	1.3200e-003	0.0000	3.7925	3.7925	1.1000e-004	1.1000e-004	3.8274

3.7 Wall and Generator - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0132	0.0904	0.1095	3.3000e-004		3.4300e-003	3.4300e-003		3.1700e-003	3.1700e-003	0.0000	29.0650	29.0650	9.2300e-003	0.0000	29.2958
Total	0.0132	0.0904	0.1095	3.3000e-004		3.4300e-003	3.4300e-003		3.1700e-003	3.1700e-003	0.0000	29.0650	29.0650	9.2300e-003	0.0000	29.2958

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

3.7 Wall and Generator - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	5.3000e-004	1.2000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.1861	0.1861	0.0000	3.0000e-005	0.1941
Worker	8.0000e-005	5.0000e-005	6.2000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1649	0.1649	0.0000	0.0000	0.1664
Total	9.0000e-005	5.8000e-004	7.4000e-004	0.0000	2.7000e-004	0.0000	2.7000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.3510	0.3510	0.0000	3.0000e-005	0.3605

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0132	0.0904	0.1095	3.3000e-004		3.4300e-003	3.4300e-003		3.1700e-003	3.1700e-003	0.0000	29.0650	29.0650	9.2300e-003	0.0000	29.2958
Total	0.0132	0.0904	0.1095	3.3000e-004		3.4300e-003	3.4300e-003		3.1700e-003	3.1700e-003	0.0000	29.0650	29.0650	9.2300e-003	0.0000	29.2958

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

3.7 Wall and Generator - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	5.3000e-004	1.2000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.1861	0.1861	0.0000	3.0000e-005	0.1941
Worker	8.0000e-005	5.0000e-005	6.2000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1649	0.1649	0.0000	0.0000	0.1664
Total	9.0000e-005	5.8000e-004	7.4000e-004	0.0000	2.7000e-004	0.0000	2.7000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.3510	0.3510	0.0000	3.0000e-005	0.3605

3.8 Pumps and Piping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0500	0.3403	0.4611	1.2100e-003		0.0130	0.0130		0.0121	0.0121	0.0000	104.5323	104.5323	0.0321	0.0000	105.3357
Total	0.0500	0.3403	0.4611	1.2100e-003		0.0130	0.0130		0.0121	0.0121	0.0000	104.5323	104.5323	0.0321	0.0000	105.3357

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

3.8 Pumps and Piping - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	2.1400e-003	4.8000e-004	1.0000e-005	2.3000e-004	1.0000e-005	2.5000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.7444	0.7444	0.0000	1.1000e-004	0.7765
Worker	3.1000e-004	2.0000e-004	2.4700e-003	1.0000e-005	8.5000e-004	0.0000	8.5000e-004	2.3000e-004	0.0000	2.3000e-004	0.0000	0.6596	0.6596	2.0000e-005	2.0000e-005	0.6656
Total	3.6000e-004	2.3400e-003	2.9500e-003	2.0000e-005	1.0800e-003	1.0000e-005	1.1000e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.4040	1.4040	2.0000e-005	1.3000e-004	1.4421

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0500	0.3403	0.4611	1.2100e-003		0.0130	0.0130		0.0121	0.0121	0.0000	104.5321	104.5321	0.0321	0.0000	105.3356
Total	0.0500	0.3403	0.4611	1.2100e-003		0.0130	0.0130		0.0121	0.0121	0.0000	104.5321	104.5321	0.0321	0.0000	105.3356

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3.8 Pumps and Piping - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	2.1400e-003	4.8000e-004	1.0000e-005	2.3000e-004	1.0000e-005	2.5000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.7444	0.7444	0.0000	1.1000e-004	0.7765
Worker	3.1000e-004	2.0000e-004	2.4700e-003	1.0000e-005	8.5000e-004	0.0000	8.5000e-004	2.3000e-004	0.0000	2.3000e-004	0.0000	0.6596	0.6596	2.0000e-005	2.0000e-005	0.6656
Total	3.6000e-004	2.3400e-003	2.9500e-003	2.0000e-005	1.0800e-003	1.0000e-005	1.1000e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.4040	1.4040	2.0000e-005	1.3000e-004	1.4421

3.9 Final Grading and Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0108	0.0855	0.0913	2.6000e-004		3.2700e-003	3.2700e-003		3.0300e-003	3.0300e-003	0.0000	22.6964	22.6964	7.2100e-003	0.0000	22.8767
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0108	0.0855	0.0913	2.6000e-004		3.2700e-003	3.2700e-003		3.0300e-003	3.0300e-003	0.0000	22.6964	22.6964	7.2100e-003	0.0000	22.8767

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

3.9 Final Grading and Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.3000e-004	4.1200e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4200e-003	3.8000e-004	1.0000e-005	3.8000e-004	0.0000	1.0993	1.0993	3.0000e-005	3.0000e-005	1.1094
Total	5.2000e-004	3.3000e-004	4.1200e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4200e-003	3.8000e-004	1.0000e-005	3.8000e-004	0.0000	1.0993	1.0993	3.0000e-005	3.0000e-005	1.1094

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0108	0.0855	0.0913	2.6000e-004		3.2700e-003	3.2700e-003		3.0300e-003	3.0300e-003	0.0000	22.6964	22.6964	7.2100e-003	0.0000	22.8767
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0108	0.0855	0.0913	2.6000e-004		3.2700e-003	3.2700e-003		3.0300e-003	3.0300e-003	0.0000	22.6964	22.6964	7.2100e-003	0.0000	22.8767

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

3.9 Final Grading and Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.3000e-004	4.1200e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4200e-003	3.8000e-004	1.0000e-005	3.8000e-004	0.0000	1.0993	1.0993	3.0000e-005	3.0000e-005	1.1094
Total	5.2000e-004	3.3000e-004	4.1200e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4200e-003	3.8000e-004	1.0000e-005	3.8000e-004	0.0000	1.0993	1.0993	3.0000e-005	3.0000e-005	1.1094

3.10 PG&E Site Painting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0952					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0145	0.0964	0.1147	3.8000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	33.5981	33.5981	0.0108	0.0000	33.8687
Total	0.1097	0.0964	0.1147	3.8000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	33.5981	33.5981	0.0108	0.0000	33.8687

Pump Station 1A & 1B - Yuba County, Annual

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

3.10 PG&E Site Painting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.1000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0550	0.0550	0.0000	0.0000	0.0555
Total	3.0000e-005	2.0000e-005	2.1000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0550	0.0550	0.0000	0.0000	0.0555

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0952					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0145	0.0964	0.1147	3.8000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	33.5980	33.5980	0.0108	0.0000	33.8687
Total	0.1097	0.0964	0.1147	3.8000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	33.5980	33.5980	0.0108	0.0000	33.8687

Pump Station 1A & 1B - Yuba County, Annual

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

3.10 PG&E Site Painting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.1000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0550	0.0550	0.0000	0.0000	0.0555
Total	3.0000e-005	2.0000e-005	2.1000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0550	0.0550	0.0000	0.0000	0.0555

Pump Station 1A & 1B - Yuba County, Annual

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

5.3 Energy by Land Use - Electricity

Unmitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000

Mitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Pump Station 1A & 1B - Yuba County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0416	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-004	1.5000e-004	0.0000	0.0000	1.6000e-004
Unmitigated	0.0416	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-004	1.5000e-004	0.0000	0.0000	1.6000e-004

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	9.5200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0321					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-004	1.5000e-004	0.0000	0.0000	1.6000e-004
Total	0.0416	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-004	1.5000e-004	0.0000	0.0000	1.6000e-004

Pump Station 1A & 1B - Yuba County, Annual

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	9.5200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0321					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-004	1.5000e-004	0.0000	0.0000	1.6000e-004
Total	0.0416	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-004	1.5000e-004	0.0000	0.0000	1.6000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

Pump Station 1A & 1B - Yuba County, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	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			
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Pump Station 1A & 1B - Yuba County, Annual

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated 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

Pump Station 1A & 1B - Yuba County, Annual

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

8.2 Waste by Land Use

Unmitigated

Waste Disposed	Land Use	tons	Total CO2	CH4	N2O	CO2e
	Land Use	0	0.0000	0.0000	0.0000	0.0000
	Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
	Total		0.0000	0.0000	0.0000	0.0000

Mitigated

Waste Disposed	Land Use	tons	Total CO2	CH4	N2O	CO2e
	Land Use	0	0.0000	0.0000	0.0000	0.0000
	Unrefrigerated 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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Pump Station 1A & 1B - Yuba County, Annual

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	200	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

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 (175 - 300 HP)	9.8000e-004	2.7500e-003	2.5100e-003	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	0.4570	0.4570	6.0000e-005	0.0000	0.4586
Total	9.8000e-004	2.7500e-003	2.5100e-003	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	0.4570	0.4570	6.0000e-005	0.0000	0.4586

11.0 Vegetation

Pump Station 1A & 1B - Yuba County, Summer

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

Pump Station 1A & 1B

Yuba County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	8.21	1000sqft	0.19	8,215.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

Pump Station 1A & 1B - Yuba County, Summer

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

Trips and VMT -

Grading -

Vehicle Trips - Assumes 2 trips per month for maintenance

Energy Use - n/a

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	18.00
tblConstructionPhase	NumDays	100.00	18.00
tblConstructionPhase	NumDays	100.00	72.00
tblConstructionPhase	NumDays	2.00	54.00
tblConstructionPhase	NumDays	5.00	18.00
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6550e-003	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.5660e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.4350e-003	0.00

Pump Station 1A & 1B - Yuba County, Summer

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

tblFleetMix	MHD	6.5250e-003	0.00
tblFleetMix	OBUS	5.4900e-004	0.00
tblFleetMix	SBUS	2.4430e-003	0.00
tblFleetMix	UBUS	1.3840e-003	0.00
tblLandUse	LandUseSquareFeet	8,210.00	8,215.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	7.72	0.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	1,898,562.50	0.00

Pump Station 1A & 1B - Yuba County, Summer

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

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					
2024	2.0137	17.4885	15.9521	0.0382	5.5420	0.7499	6.2918	2.6296	0.6915	3.3211	0.0000	3,692.5084	3,692.5084	1.1160	5.3900e-003	3,722.0150
2025	12.1923	10.7114	12.8996	0.0426	0.1889	0.4007	0.5289	0.0501	0.3692	0.3806	0.0000	4,122.4404	4,122.4404	1.3262	4.1000e-003	4,155.6470
Maximum	12.1923	17.4885	15.9521	0.0426	5.5420	0.7499	6.2918	2.6296	0.6915	3.3211	0.0000	4,122.4404	4,122.4404	1.3262	5.3900e-003	4,155.6470

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.0137	17.4885	15.9521	0.0382	5.5420	0.7499	6.2918	2.6296	0.6915	3.3211	0.0000	3,692.5084	3,692.5084	1.1160	5.3900e-003	3,722.0150
2025	12.1923	10.7114	12.8996	0.0426	0.1889	0.4007	0.5289	0.0501	0.3692	0.3806	0.0000	4,122.4404	4,122.4404	1.3262	4.1000e-003	4,155.6470
Maximum	12.1923	17.4885	15.9521	0.0426	5.5420	0.7499	6.2918	2.6296	0.6915	3.3211	0.0000	4,122.4404	4,122.4404	1.3262	5.3900e-003	4,155.6470

Pump Station 1A & 1B - Yuba County, Summer

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

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

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	0.2280	1.0000e-005	8.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8000e-003	1.8000e-003	0.0000		1.9100e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.1641	0.4587	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241		83.9514	83.9514	0.0118		84.2457
Total	0.3922	0.4587	0.4193	7.9000e-004	0.0000	0.0241	0.0241	0.0000	0.0241	0.0241		83.9532	83.9532	0.0118	0.0000	84.2476

Pump Station 1A & 1B - Yuba County, Summer

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2280	1.0000e-005	8.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8000e-003	1.8000e-003	0.0000		1.9100e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.1641	0.4587	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241		83.9514	83.9514	0.0118		84.2457
Total	0.3922	0.4587	0.4193	7.9000e-004	0.0000	0.0241	0.0241	0.0000	0.0241	0.0241		83.9532	83.9532	0.0118	0.0000	84.2476

	ROG	NOx	CO	SO2	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	Grading Rough	Grading	1/1/2024	3/14/2024	5	54	
2	Piping Underground	Trenching	3/15/2024	8/13/2024	5	108	
3	Site Electrical	Trenching	8/14/2024	1/10/2025	5	108	
4	Site Lighting	Trenching	1/11/2025	2/5/2025	5	18	

Pump Station 1A & 1B - Yuba County, Summer

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

5	Wet Well Construction	Trenching	2/6/2025	4/22/2025	5	54
6	Wall and Generator	Building Construction	4/23/2025	5/16/2025	5	18
7	Pumps and Piping	Building Construction	5/17/2025	8/26/2025	5	72
8	Final Grading and Paving	Paving	8/27/2025	9/19/2025	5	18
9	PG&E Site Painting	Architectural Coating	9/20/2025	10/15/2025	5	18

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 40.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 12,323; Non-Residential Outdoor: 4,108; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading Rough	Dumpers/Tenders	1	6.00	16	0.38
Grading Rough	Excavators	1	6.00	158	0.38
Grading Rough	Forklifts	1	6.00	89	0.20
Grading Rough	Graders	1	6.00	187	0.41
Grading Rough	Off-Highway Trucks	2	6.00	250	0.38
Grading Rough	Plate Compactors	1	6.00	8	0.43
Grading Rough	Rollers	1	6.00	80	0.38
Grading Rough	Rubber Tired Dozers	1	6.00	247	0.40
Grading Rough	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Piping Underground	Dumpers/Tenders	1	6.00	16	0.38
Piping Underground	Forklifts	1	6.00	89	0.20
Piping Underground	Off-Highway Trucks	2	6.00	250	0.38
Piping Underground	Off-Highway Trucks	1	6.00	402	0.38
Piping Underground	Plate Compactors	1	6.00	8	0.43
Piping Underground	Tractors/Loaders/Backhoes	1	6.00	97	0.37

Pump Station 1A & 1B - Yuba County, Summer

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

Site Electrical	Dumpers/Tenders	1	6.00	16	0.38
Site Electrical	Forklifts	1	6.00	89	0.20
Site Electrical	Off-Highway Trucks	1	6.00	250	0.38
Site Electrical	Off-Highway Trucks	1	6.00	402	0.38
Site Electrical	Plate Compactors	1	6.00	8	0.43
Site Electrical	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Lighting	Dumpers/Tenders	1	6.00	16	0.38
Site Lighting	Forklifts	1	6.00	89	0.20
Site Lighting	Off-Highway Trucks	1	6.00	250	0.38
Site Lighting	Off-Highway Trucks	1	6.00	402	0.38
Site Lighting	Plate Compactors	1	6.00	8	0.43
Site Lighting	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wet Well Construction	Cranes	1	1.00	231	0.29
Wet Well Construction	Dumpers/Tenders	1	6.00	16	0.38
Wet Well Construction	Excavators	1	4.00	158	0.38
Wet Well Construction	Forklifts	1	6.00	89	0.20
Wet Well Construction	Off-Highway Trucks	2	6.00	250	0.38
Wet Well Construction	Off-Highway Trucks	1	6.00	402	0.38
Wet Well Construction	Plate Compactors	1	6.00	8	0.43
Wet Well Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wall and Generator	Aerial Lifts	1	8.00	63	0.31
Wall and Generator	Dumpers/Tenders	1	8.00	16	0.38
Wall and Generator	Forklifts	1	8.00	89	0.20
Wall and Generator	Off-Highway Trucks	2	8.00	250	0.38
Wall and Generator	Off-Highway Trucks	1	8.00	402	0.38
Wall and Generator	Plate Compactors	1	8.00	8	0.43
Wall and Generator	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pumps and Piping	Aerial Lifts	1	6.00	63	0.31
Pumps and Piping	Dumpers/Tenders	1	6.00	16	0.38

Pump Station 1A & 1B - Yuba County, Summer

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

Pumps and Piping	Excavators	1	6.00	158	0.38
Pumps and Piping	Forklifts	1	6.00	89	0.20
Pumps and Piping	Off-Highway Trucks	2	6.00	250	0.38
Pumps and Piping	Off-Highway Trucks	1	6.00	402	0.38
Pumps and Piping	Plate Compactors	1	6.00	8	0.43
Pumps and Piping	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Pumps and Piping	Welders	1	6.00	46	0.45
Final Grading and Paving	Dumpers/Tenders	1	6.00	16	0.38
Final Grading and Paving	Forklifts	1	6.00	89	0.20
Final Grading and Paving	Graders	1	6.00	187	0.41
Final Grading and Paving	Off-Highway Trucks	1	6.00	250	0.38
Final Grading and Paving	Off-Highway Trucks	1	6.00	402	0.38
Final Grading and Paving	Pavers	1	6.00	130	0.42
Final Grading and Paving	Plate Compactors	1	6.00	8	0.43
Final Grading and Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
PG&E Site Painting	Aerial Lifts	2	6.00	63	0.31
PG&E Site Painting	Dumpers/Tenders	1	3.00	16	0.38
PG&E Site Painting	Forklifts	1	6.00	89	0.20
PG&E Site Painting	Off-Highway Trucks	4	8.00	250	0.38
PG&E Site Painting	Off-Highway Trucks	1	3.00	402	0.38
PG&E Site Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading Rough	11	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Piping Underground	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Electrical	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Pump Station 1A & 1B - Yuba County, Summer

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

Site Lighting	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wet Well Construction	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wall and Generator	8	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Pumps and Piping	10	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading and Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PG&E Site Painting	10	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading Rough - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.3119	0.0000	5.3119	2.5686	0.0000	2.5686			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905		3,480.669 3	3,480.669 3	1.1102		3,508.423 4
Total	1.9112	17.4364	15.1455	0.0361	5.3119	0.7488	6.0607	2.5686	0.6905	3.2590		3,480.669 3	3,480.669 3	1.1102		3,508.423 4

Pump Station 1A & 1B - Yuba County, Summer

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

3.2 Grading Rough - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915
Total	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.3119	0.0000	5.3119	2.5686	0.0000	2.5686			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234
Total	1.9112	17.4364	15.1455	0.0361	5.3119	0.7488	6.0607	2.5686	0.6905	3.2590	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234

Pump Station 1A & 1B - Yuba County, Summer

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

3.2 Grading Rough - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915
Total	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915

3.3 Piping Underground - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969

Pump Station 1A & 1B - Yuba County, Summer

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

3.3 Piping Underground - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089
Total	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969

Pump Station 1A & 1B - Yuba County, Summer

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

3.3 Piping Underground - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089
Total	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089

3.4 Site Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271

Pump Station 1A & 1B - Yuba County, Summer

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

3.4 Site Electrical - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240
Total	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271

Pump Station 1A & 1B - Yuba County, Summer

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

3.4 Site Electrical - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240
Total	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240

3.4 Site Electrical - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 1A & 1B - Yuba County, Summer

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

3.4 Site Electrical - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0510	0.0246	0.3977	1.0600e-003	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		110.7013	110.7013	2.7800e-003	2.6700e-003	111.5676
Total	0.0510	0.0246	0.3977	1.0600e-003	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		110.7013	110.7013	2.7800e-003	2.6700e-003	111.5676

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 1A & 1B - Yuba County, Summer

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

3.4 Site Electrical - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0510	0.0246	0.3977	1.0600e-003	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		110.7013	110.7013	2.7800e-003	2.6700e-003	111.5676
Total	0.0510	0.0246	0.3977	1.0600e-003	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		110.7013	110.7013	2.7800e-003	2.6700e-003	111.5676

3.5 Site Lighting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 1A & 1B - Yuba County, Summer

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

3.5 Site Lighting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0510	0.0246	0.3977	1.0600e-003	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		110.7013	110.7013	2.7800e-003	2.6700e-003	111.5676
Total	0.0510	0.0246	0.3977	1.0600e-003	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		110.7013	110.7013	2.7800e-003	2.6700e-003	111.5676

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 1A & 1B - Yuba County, Summer

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

3.5 Site Lighting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0510	0.0246	0.3977	1.0600e-003	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		110.7013	110.7013	2.7800e-003	2.6700e-003	111.5676
Total	0.0510	0.0246	0.3977	1.0600e-003	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		110.7013	110.7013	2.7800e-003	2.6700e-003	111.5676

3.6 Wet Well Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014		2,867.948 2	2,867.948 2	0.9120		2,890.748 1
Total	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014		2,867.948 2	2,867.948 2	0.9120		2,890.748 1

Pump Station 1A & 1B - Yuba County, Summer

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

3.6 Wet Well Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0782	0.0378	0.6098	1.6300e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		169.7420	169.7420	4.2700e-003	4.1000e-003	171.0703
Total	0.0782	0.0378	0.6098	1.6300e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		169.7420	169.7420	4.2700e-003	4.1000e-003	171.0703

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014	0.0000	2,867.9482	2,867.9482	0.9120		2,890.7481
Total	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014	0.0000	2,867.9482	2,867.9482	0.9120		2,890.7481

Pump Station 1A & 1B - Yuba County, Summer

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

3.6 Wet Well Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0782	0.0378	0.6098	1.6300e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		169.7420	169.7420	4.2700e-003	4.1000e-003	171.0703
Total	0.0782	0.0378	0.6098	1.6300e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		169.7420	169.7420	4.2700e-003	4.1000e-003	171.0703

3.7 Wall and Generator - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526		3,559.8544	3,559.8544	1.1306		3,588.1192
Total	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526		3,559.8544	3,559.8544	1.1306		3,588.1192

Pump Station 1A & 1B - Yuba County, Summer

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

3.7 Wall and Generator - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3900e-003	0.0562	0.0131	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.3000e-004	2.2700e-003		22.7854	22.7854	7.0000e-005	3.2900e-003	23.7667
Worker	0.0102	4.9300e-003	0.0795	2.1000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		22.1403	22.1403	5.6000e-004	5.3000e-004	22.3135
Total	0.0116	0.0612	0.0926	4.3000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.3000e-004	8.9100e-003		44.9256	44.9256	6.3000e-004	3.8200e-003	46.0803

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526	0.0000	3,559.8544	3,559.8544	1.1306		3,588.1192
Total	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526	0.0000	3,559.8544	3,559.8544	1.1306		3,588.1192

Pump Station 1A & 1B - Yuba County, Summer

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

3.7 Wall and Generator - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3900e-003	0.0562	0.0131	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.3000e-004	2.2700e-003		22.7854	22.7854	7.0000e-005	3.2900e-003	23.7667
Worker	0.0102	4.9300e-003	0.0795	2.1000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		22.1403	22.1403	5.6000e-004	5.3000e-004	22.3135
Total	0.0116	0.0612	0.0926	4.3000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.3000e-004	8.9100e-003		44.9256	44.9256	6.3000e-004	3.8200e-003	46.0803

3.8 Pumps and Piping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365		3,200.7525	3,200.7525	0.9841		3,225.3549
Total	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365		3,200.7525	3,200.7525	0.9841		3,225.3549

Pump Station 1A & 1B - Yuba County, Summer

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

3.8 Pumps and Piping - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3900e-003	0.0562	0.0131	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.3000e-004	2.2700e-003		22.7854	22.7854	7.0000e-005	3.2900e-003	23.7667
Worker	0.0102	4.9300e-003	0.0795	2.1000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		22.1403	22.1403	5.6000e-004	5.3000e-004	22.3135
Total	0.0116	0.0612	0.0926	4.3000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.3000e-004	8.9100e-003		44.9256	44.9256	6.3000e-004	3.8200e-003	46.0803

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365	0.0000	3,200.7525	3,200.7525	0.9841		3,225.3548
Total	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365	0.0000	3,200.7525	3,200.7525	0.9841		3,225.3548

Pump Station 1A & 1B - Yuba County, Summer

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

3.8 Pumps and Piping - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3900e-003	0.0562	0.0131	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.3000e-004	2.2700e-003		22.7854	22.7854	7.0000e-005	3.2900e-003	23.7667
Worker	0.0102	4.9300e-003	0.0795	2.1000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		22.1403	22.1403	5.6000e-004	5.3000e-004	22.3135
Total	0.0116	0.0612	0.0926	4.3000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.3000e-004	8.9100e-003		44.9256	44.9256	6.3000e-004	3.8200e-003	46.0803

3.9 Final Grading and Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363		2,779.8308	2,779.8308	0.8835		2,801.9183
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363		2,779.8308	2,779.8308	0.8835		2,801.9183

Pump Station 1A & 1B - Yuba County, Summer

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

3.9 Final Grading and Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0680	0.0329	0.5303	1.4200e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		147.6017	147.6017	3.7100e-003	3.5600e-003	148.7568
Total	0.0680	0.0329	0.5303	1.4200e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		147.6017	147.6017	3.7100e-003	3.5600e-003	148.7568

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363	0.0000	2,779.8308	2,779.8308	0.8835		2,801.9183
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363	0.0000	2,779.8308	2,779.8308	0.8835		2,801.9183

Pump Station 1A & 1B - Yuba County, Summer

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

3.9 Final Grading and Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0680	0.0329	0.5303	1.4200e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		147.6017	147.6017	3.7100e-003	3.5600e-003	148.7568
Total	0.0680	0.0329	0.5303	1.4200e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		147.6017	147.6017	3.7100e-003	3.5600e-003	148.7568

3.10 PG&E Site Painting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.5775					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092
Total	12.1889	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092

Pump Station 1A & 1B - Yuba County, Summer

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

3.10 PG&E Site Painting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-003	1.6400e-003	0.0265	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		7.3801	7.3801	1.9000e-004	1.8000e-004	7.4378
Total	3.4000e-003	1.6400e-003	0.0265	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		7.3801	7.3801	1.9000e-004	1.8000e-004	7.4378

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.5775					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092
Total	12.1889	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092

Pump Station 1A & 1B - Yuba County, Summer

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

3.10 PG&E Site Painting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-003	1.6400e-003	0.0265	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		7.3801	7.3801	1.9000e-004	1.8000e-004	7.4378
Total	3.4000e-003	1.6400e-003	0.0265	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		7.3801	7.3801	1.9000e-004	1.8000e-004	7.4378

Pump Station 1A & 1B - Yuba County, Summer

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	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

Pump Station 1A & 1B - Yuba County, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated 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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2280	1.0000e-005	8.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8000e-003	1.8000e-003	0.0000		1.9100e-003
Unmitigated	0.2280	1.0000e-005	8.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8000e-003	1.8000e-003	0.0000		1.9100e-003

Pump Station 1A & 1B - Yuba County, Summer

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1758					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-005	1.0000e-005	8.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8000e-003	1.8000e-003	0.0000		1.9100e-003
Total	0.2280	1.0000e-005	8.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8000e-003	1.8000e-003	0.0000		1.9100e-003

Pump Station 1A & 1B - Yuba County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1758					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-005	1.0000e-005	8.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8000e-003	1.8000e-003	0.0000		1.9100e-003
Total	0.2280	1.0000e-005	8.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8000e-003	1.8000e-003	0.0000		1.9100e-003

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

Pump Station 1A & 1B - Yuba County, Summer

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

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	200	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 (175 - 300 HP)	0.1641	0.4587	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241		83.9514	83.9514	0.0118		84.2457
Total	0.1641	0.4587	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241		83.9514	83.9514	0.0118		84.2457

11.0 Vegetation

Pump Station 1A & 1B - Yuba County, Winter

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

Pump Station 1A & 1B

Yuba County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	8.21	1000sqft	0.19	8,215.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

Pump Station 1A & 1B - Yuba County, Winter

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

Trips and VMT -

Grading -

Vehicle Trips - Assumes 2 trips per month for maintenance

Energy Use - n/a

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	18.00
tblConstructionPhase	NumDays	100.00	18.00
tblConstructionPhase	NumDays	100.00	72.00
tblConstructionPhase	NumDays	2.00	54.00
tblConstructionPhase	NumDays	5.00	18.00
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6550e-003	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.5660e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.4350e-003	0.00

Pump Station 1A & 1B - Yuba County, Winter

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

tblFleetMix	MHD	6.5250e-003	0.00
tblFleetMix	OBUS	5.4900e-004	0.00
tblFleetMix	SBUS	2.4430e-003	0.00
tblFleetMix	UBUS	1.3840e-003	0.00
tblLandUse	LandUseSquareFeet	8,210.00	8,215.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	7.72	0.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	1,898,562.50	0.00

Pump Station 1A & 1B - Yuba County, Winter

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

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					
2024	2.0009	17.5013	15.8483	0.0380	5.5420	0.7499	6.2918	2.6296	0.6915	3.3211	0.0000	3,668.9777	3,668.9777	1.1169	6.2500e-003	3,698.7640
2025	12.1918	10.7118	12.8902	0.0426	0.1889	0.4007	0.5289	0.0501	0.3692	0.3806	0.0000	4,121.6229	4,121.6229	1.3262	4.7500e-003	4,154.8387
Maximum	12.1918	17.5013	15.8483	0.0426	5.5420	0.7499	6.2918	2.6296	0.6915	3.3211	0.0000	4,121.6229	4,121.6229	1.3262	6.2500e-003	4,154.8387

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.0009	17.5013	15.8483	0.0380	5.5420	0.7499	6.2918	2.6296	0.6915	3.3211	0.0000	3,668.9777	3,668.9777	1.1169	6.2500e-003	3,698.7640
2025	12.1918	10.7118	12.8902	0.0426	0.1889	0.4007	0.5289	0.0501	0.3692	0.3806	0.0000	4,121.6229	4,121.6229	1.3262	4.7500e-003	4,154.8387
Maximum	12.1918	17.5013	15.8483	0.0426	5.5420	0.7499	6.2918	2.6296	0.6915	3.3211	0.0000	4,121.6229	4,121.6229	1.3262	6.2500e-003	4,154.8387

Pump Station 1A & 1B - Yuba County, Winter

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

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

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	0.2280	1.0000e-005	8.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8000e-003	1.8000e-003	0.0000		1.9100e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.1641	0.4587	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241		83.9514	83.9514	0.0118		84.2457
Total	0.3922	0.4587	0.4193	7.9000e-004	0.0000	0.0241	0.0241	0.0000	0.0241	0.0241		83.9532	83.9532	0.0118	0.0000	84.2476

Pump Station 1A & 1B - Yuba County, Winter

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2280	1.0000e-005	8.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8000e-003	1.8000e-003	0.0000		1.9100e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.1641	0.4587	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241		83.9514	83.9514	0.0118		84.2457
Total	0.3922	0.4587	0.4193	7.9000e-004	0.0000	0.0241	0.0241	0.0000	0.0241	0.0241		83.9532	83.9532	0.0118	0.0000	84.2476

	ROG	NOx	CO	SO2	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	Grading Rough	Grading	1/1/2024	3/14/2024	5	54	
2	Piping Underground	Trenching	3/15/2024	8/13/2024	5	108	
3	Site Electrical	Trenching	8/14/2024	1/10/2025	5	108	
4	Site Lighting	Trenching	1/11/2025	2/5/2025	5	18	

Pump Station 1A & 1B - Yuba County, Winter

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

5	Wet Well Construction	Trenching	2/6/2025	4/22/2025	5	54
6	Wall and Generator	Building Construction	4/23/2025	5/16/2025	5	18
7	Pumps and Piping	Building Construction	5/17/2025	8/26/2025	5	72
8	Final Grading and Paving	Paving	8/27/2025	9/19/2025	5	18
9	PG&E Site Painting	Architectural Coating	9/20/2025	10/15/2025	5	18

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 40.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 12,323; Non-Residential Outdoor: 4,108; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading Rough	Dumpers/Tenders	1	6.00	16	0.38
Grading Rough	Excavators	1	6.00	158	0.38
Grading Rough	Forklifts	1	6.00	89	0.20
Grading Rough	Graders	1	6.00	187	0.41
Grading Rough	Off-Highway Trucks	2	6.00	250	0.38
Grading Rough	Plate Compactors	1	6.00	8	0.43
Grading Rough	Rollers	1	6.00	80	0.38
Grading Rough	Rubber Tired Dozers	1	6.00	247	0.40
Grading Rough	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Piping Underground	Dumpers/Tenders	1	6.00	16	0.38
Piping Underground	Forklifts	1	6.00	89	0.20
Piping Underground	Off-Highway Trucks	2	6.00	250	0.38
Piping Underground	Off-Highway Trucks	1	6.00	402	0.38
Piping Underground	Plate Compactors	1	6.00	8	0.43
Piping Underground	Tractors/Loaders/Backhoes	1	6.00	97	0.37

Pump Station 1A & 1B - Yuba County, Winter

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

Site Electrical	Dumpers/Tenders	1	6.00	16	0.38
Site Electrical	Forklifts	1	6.00	89	0.20
Site Electrical	Off-Highway Trucks	1	6.00	250	0.38
Site Electrical	Off-Highway Trucks	1	6.00	402	0.38
Site Electrical	Plate Compactors	1	6.00	8	0.43
Site Electrical	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Lighting	Dumpers/Tenders	1	6.00	16	0.38
Site Lighting	Forklifts	1	6.00	89	0.20
Site Lighting	Off-Highway Trucks	1	6.00	250	0.38
Site Lighting	Off-Highway Trucks	1	6.00	402	0.38
Site Lighting	Plate Compactors	1	6.00	8	0.43
Site Lighting	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wet Well Construction	Cranes	1	1.00	231	0.29
Wet Well Construction	Dumpers/Tenders	1	6.00	16	0.38
Wet Well Construction	Excavators	1	4.00	158	0.38
Wet Well Construction	Forklifts	1	6.00	89	0.20
Wet Well Construction	Off-Highway Trucks	2	6.00	250	0.38
Wet Well Construction	Off-Highway Trucks	1	6.00	402	0.38
Wet Well Construction	Plate Compactors	1	6.00	8	0.43
Wet Well Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wall and Generator	Aerial Lifts	1	8.00	63	0.31
Wall and Generator	Dumpers/Tenders	1	8.00	16	0.38
Wall and Generator	Forklifts	1	8.00	89	0.20
Wall and Generator	Off-Highway Trucks	2	8.00	250	0.38
Wall and Generator	Off-Highway Trucks	1	8.00	402	0.38
Wall and Generator	Plate Compactors	1	8.00	8	0.43
Wall and Generator	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pumps and Piping	Aerial Lifts	1	6.00	63	0.31
Pumps and Piping	Dumpers/Tenders	1	6.00	16	0.38

Pump Station 1A & 1B - Yuba County, Winter

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

Pumps and Piping	Excavators	1	6.00	158	0.38
Pumps and Piping	Forklifts	1	6.00	89	0.20
Pumps and Piping	Off-Highway Trucks	2	6.00	250	0.38
Pumps and Piping	Off-Highway Trucks	1	6.00	402	0.38
Pumps and Piping	Plate Compactors	1	6.00	8	0.43
Pumps and Piping	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Pumps and Piping	Welders	1	6.00	46	0.45
Final Grading and Paving	Dumpers/Tenders	1	6.00	16	0.38
Final Grading and Paving	Forklifts	1	6.00	89	0.20
Final Grading and Paving	Graders	1	6.00	187	0.41
Final Grading and Paving	Off-Highway Trucks	1	6.00	250	0.38
Final Grading and Paving	Off-Highway Trucks	1	6.00	402	0.38
Final Grading and Paving	Pavers	1	6.00	130	0.42
Final Grading and Paving	Plate Compactors	1	6.00	8	0.43
Final Grading and Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
PG&E Site Painting	Aerial Lifts	2	6.00	63	0.31
PG&E Site Painting	Dumpers/Tenders	1	3.00	16	0.38
PG&E Site Painting	Forklifts	1	6.00	89	0.20
PG&E Site Painting	Off-Highway Trucks	4	8.00	250	0.38
PG&E Site Painting	Off-Highway Trucks	1	3.00	402	0.38
PG&E Site Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading Rough	11	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Piping Underground	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Electrical	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Pump Station 1A & 1B - Yuba County, Winter

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

Site Lighting	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wet Well Construction	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wall and Generator	8	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Pumps and Piping	10	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading and Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PG&E Site Painting	10	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading Rough - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.3119	0.0000	5.3119	2.5686	0.0000	2.5686			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905		3,480.669 3	3,480.669 3	1.1102		3,508.423 4
Total	1.9112	17.4364	15.1455	0.0361	5.3119	0.7488	6.0607	2.5686	0.6905	3.2590		3,480.669 3	3,480.669 3	1.1102		3,508.423 4

Pump Station 1A & 1B - Yuba County, Winter

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

3.2 Grading Rough - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406
Total	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.3119	0.0000	5.3119	2.5686	0.0000	2.5686			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234
Total	1.9112	17.4364	15.1455	0.0361	5.3119	0.7488	6.0607	2.5686	0.6905	3.2590	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234

Pump Station 1A & 1B - Yuba County, Winter

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

3.2 Grading Rough - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406
Total	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406

3.3 Piping Underground - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969

Pump Station 1A & 1B - Yuba County, Winter

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

3.3 Piping Underground - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618
Total	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969

Pump Station 1A & 1B - Yuba County, Winter

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

3.3 Piping Underground - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618
Total	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618

3.4 Site Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271

Pump Station 1A & 1B - Yuba County, Winter

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

3.4 Site Electrical - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682
Total	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271

Pump Station 1A & 1B - Yuba County, Winter

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

3.4 Site Electrical - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682
Total	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682

3.4 Site Electrical - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 1A & 1B - Yuba County, Winter

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

3.4 Site Electrical - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429
Total	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 1A & 1B - Yuba County, Winter

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

3.4 Site Electrical - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429
Total	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429

3.5 Site Lighting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 1A & 1B - Yuba County, Winter

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

3.5 Site Lighting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429
Total	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 1A & 1B - Yuba County, Winter

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

3.5 Site Lighting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429
Total	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429

3.6 Wet Well Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014		2,867.9482	2,867.9482	0.9120		2,890.7481
Total	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014		2,867.9482	2,867.9482	0.9120		2,890.7481

Pump Station 1A & 1B - Yuba County, Winter

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

3.6 Wet Well Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0685	0.0471	0.5341	1.4500e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		150.9391	150.9391	4.9800e-003	4.7500e-003	152.4792
Total	0.0685	0.0471	0.5341	1.4500e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		150.9391	150.9391	4.9800e-003	4.7500e-003	152.4792

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014	0.0000	2,867.9482	2,867.9482	0.9120		2,890.7481
Total	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014	0.0000	2,867.9482	2,867.9482	0.9120		2,890.7481

Pump Station 1A & 1B - Yuba County, Winter

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

3.6 Wet Well Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0685	0.0471	0.5341	1.4500e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		150.9391	150.9391	4.9800e-003	4.7500e-003	152.4792
Total	0.0685	0.0471	0.5341	1.4500e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		150.9391	150.9391	4.9800e-003	4.7500e-003	152.4792

3.7 Wall and Generator - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526		3,559.8544	3,559.8544	1.1306		3,588.1192
Total	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526		3,559.8544	3,559.8544	1.1306		3,588.1192

Pump Station 1A & 1B - Yuba County, Winter

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

3.7 Wall and Generator - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3500e-003	0.0606	0.0136	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.4000e-004	2.2800e-003		22.8048	22.8048	7.0000e-005	3.2900e-003	23.7885
Worker	8.9300e-003	6.1400e-003	0.0697	1.9000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		19.6877	19.6877	6.5000e-004	6.2000e-004	19.8886
Total	0.0103	0.0668	0.0833	4.1000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.4000e-004	8.9200e-003		42.4925	42.4925	7.2000e-004	3.9100e-003	43.6771

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526	0.0000	3,559.8544	3,559.8544	1.1306		3,588.1192
Total	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526	0.0000	3,559.8544	3,559.8544	1.1306		3,588.1192

Pump Station 1A & 1B - Yuba County, Winter

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

3.7 Wall and Generator - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3500e-003	0.0606	0.0136	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.4000e-004	2.2800e-003		22.8048	22.8048	7.0000e-005	3.2900e-003	23.7885
Worker	8.9300e-003	6.1400e-003	0.0697	1.9000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		19.6877	19.6877	6.5000e-004	6.2000e-004	19.8886
Total	0.0103	0.0668	0.0833	4.1000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.4000e-004	8.9200e-003		42.4925	42.4925	7.2000e-004	3.9100e-003	43.6771

3.8 Pumps and Piping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365		3,200.7525	3,200.7525	0.9841		3,225.3549
Total	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365		3,200.7525	3,200.7525	0.9841		3,225.3549

Pump Station 1A & 1B - Yuba County, Winter

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

3.8 Pumps and Piping - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3500e-003	0.0606	0.0136	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.4000e-004	2.2800e-003		22.8048	22.8048	7.0000e-005	3.2900e-003	23.7885
Worker	8.9300e-003	6.1400e-003	0.0697	1.9000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		19.6877	19.6877	6.5000e-004	6.2000e-004	19.8886
Total	0.0103	0.0668	0.0833	4.1000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.4000e-004	8.9200e-003		42.4925	42.4925	7.2000e-004	3.9100e-003	43.6771

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365	0.0000	3,200.7525	3,200.7525	0.9841		3,225.3548
Total	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365	0.0000	3,200.7525	3,200.7525	0.9841		3,225.3548

Pump Station 1A & 1B - Yuba County, Winter

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

3.8 Pumps and Piping - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3500e-003	0.0606	0.0136	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.4000e-004	2.2800e-003		22.8048	22.8048	7.0000e-005	3.2900e-003	23.7885
Worker	8.9300e-003	6.1400e-003	0.0697	1.9000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		19.6877	19.6877	6.5000e-004	6.2000e-004	19.8886
Total	0.0103	0.0668	0.0833	4.1000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.4000e-004	8.9200e-003		42.4925	42.4925	7.2000e-004	3.9100e-003	43.6771

3.9 Final Grading and Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363		2,779.8308	2,779.8308	0.8835		2,801.9183
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363		2,779.8308	2,779.8308	0.8835		2,801.9183

Pump Station 1A & 1B - Yuba County, Winter

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

3.9 Final Grading and Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0595	0.0409	0.4645	1.2600e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		131.2514	131.2514	4.3300e-003	4.1300e-003	132.5906
Total	0.0595	0.0409	0.4645	1.2600e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		131.2514	131.2514	4.3300e-003	4.1300e-003	132.5906

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363	0.0000	2,779.8308	2,779.8308	0.8835		2,801.9183
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363	0.0000	2,779.8308	2,779.8308	0.8835		2,801.9183

Pump Station 1A & 1B - Yuba County, Winter

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

3.9 Final Grading and Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0595	0.0409	0.4645	1.2600e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		131.2514	131.2514	4.3300e-003	4.1300e-003	132.5906
Total	0.0595	0.0409	0.4645	1.2600e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		131.2514	131.2514	4.3300e-003	4.1300e-003	132.5906

3.10 PG&E Site Painting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.5775					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092
Total	12.1889	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092

Pump Station 1A & 1B - Yuba County, Winter

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

3.10 PG&E Site Painting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295
Total	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.5775					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092
Total	12.1889	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092

Pump Station 1A & 1B - Yuba County, Winter

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

3.10 PG&E Site Painting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295
Total	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295

Pump Station 1A & 1B - Yuba County, Winter

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	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	
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	

Pump Station 1A & 1B - Yuba County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated 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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2280	1.0000e-005	8.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8000e-003	1.8000e-003	0.0000		1.9100e-003
Unmitigated	0.2280	1.0000e-005	8.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8000e-003	1.8000e-003	0.0000		1.9100e-003

Pump Station 1A & 1B - Yuba County, Winter

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1758					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-005	1.0000e-005	8.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8000e-003	1.8000e-003	0.0000		1.9100e-003
Total	0.2280	1.0000e-005	8.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8000e-003	1.8000e-003	0.0000		1.9100e-003

Pump Station 1A & 1B - Yuba County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1758					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-005	1.0000e-005	8.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8000e-003	1.8000e-003	0.0000		1.9100e-003
Total	0.2280	1.0000e-005	8.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.8000e-003	1.8000e-003	0.0000		1.9100e-003

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
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Pump Station 1A & 1B - Yuba County, Winter

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

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	200	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

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 (175 - 300 HP)	0.1641	0.4587	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241		83.9514	83.9514	0.0118		84.2457
Total	0.1641	0.4587	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241		83.9514	83.9514	0.0118		84.2457

11.0 Vegetation

Pump Station 21 - Yuba County, Annual

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

**Pump Station 21
Yuba County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.26	1000sqft	0.24	10,260.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Combined phases provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

Pump Station 21 - Yuba County, Annual

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

Trips and VMT -

Grading -

Vehicle Trips - Maintenance trips in Pump Station 1

Energy Use - n/a

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	20.00
tblConstructionPhase	NumDays	100.00	20.00
tblConstructionPhase	NumDays	100.00	80.00
tblConstructionPhase	NumDays	2.00	60.00
tblConstructionPhase	NumDays	5.00	20.00
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6550e-003	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.5660e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.4350e-003	0.00

Pump Station 21 - Yuba County, Annual

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00

Pump Station 21 - Yuba County, Annual

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		PG&E Site Painting

Pump Station 21 - Yuba County, Annual

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

tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Grading Rough

Pump Station 21 - Yuba County, Annual

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

tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	7.72	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	200.00	335.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	6.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	1,898,562.50	0.00

2.0 Emissions Summary

Pump Station 21 - Yuba County, Annual

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.1704	1.2855	1.3087	3.6800e-003	0.1634	0.0536	0.2169	0.0747	0.0495	0.1241	0.0000	322.1472	322.1472	0.0977	4.8000e-004	324.7319
2025	0.2581	1.0965	1.3987	4.0200e-003	0.0120	0.0423	0.0543	3.2000e-003	0.0392	0.0424	0.0000	350.6689	350.6689	0.1074	4.1000e-004	353.4740
Maximum	0.2581	1.2855	1.3987	4.0200e-003	0.1634	0.0536	0.2169	0.0747	0.0495	0.1241	0.0000	350.6689	350.6689	0.1074	4.8000e-004	353.4740

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.1704	1.2855	1.3087	3.6800e-003	0.1634	0.0536	0.2169	0.0747	0.0495	0.1241	0.0000	322.1468	322.1468	0.0977	4.8000e-004	324.7315
2025	0.2581	1.0965	1.3987	4.0200e-003	0.0120	0.0423	0.0543	3.2000e-003	0.0392	0.0424	0.0000	350.6685	350.6685	0.1074	4.1000e-004	353.4736
Maximum	0.2581	1.2855	1.3987	4.0200e-003	0.1634	0.0536	0.2169	0.0747	0.0495	0.1241	0.0000	350.6685	350.6685	0.1074	4.8000e-004	353.4736

Pump Station 21 - Yuba County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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)
1	1-1-2024	3-31-2024	0.6015	0.6015
2	4-1-2024	6-30-2024	0.3065	0.3065
3	7-1-2024	9-30-2024	0.2930	0.2930
4	10-1-2024	12-31-2024	0.2451	0.2451
5	1-1-2025	3-31-2025	0.2234	0.2234
6	4-1-2025	6-30-2025	0.3202	0.3202
7	7-1-2025	9-30-2025	0.3612	0.3612
		Highest	0.6015	0.6015

Pump Station 21 - Yuba County, Annual

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0496	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	0.0000	2.0000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	1.6500e-003	4.6100e-003	4.2100e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.7654	0.7654	1.1000e-004	0.0000	0.7681
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	0.0513	4.6100e-003	4.3000e-003	1.0000e-005	0.0000	2.4000e-004	2.4000e-004	0.0000	2.4000e-004	2.4000e-004	0.0000	0.7656	0.7656	1.1000e-004	0.0000	0.7683

Pump Station 21 - Yuba County, Annual

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0496	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	0.0000	2.0000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	1.6500e-003	4.6100e-003	4.2100e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.7654	0.7654	1.1000e-004	0.0000	0.7681
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	0.0513	4.6100e-003	4.3000e-003	1.0000e-005	0.0000	2.4000e-004	2.4000e-004	0.0000	2.4000e-004	2.4000e-004	0.0000	0.7656	0.7656	1.1000e-004	0.0000	0.7683

	ROG	NOx	CO	SO2	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	Grading Rough	Grading	1/1/2024	3/22/2024	5	60	
2	Piping Underground	Trenching	3/23/2024	9/6/2024	5	120	

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3	Site Electrical	Trenching	9/7/2024	2/21/2025	5	120
4	Site Lighting	Trenching	2/22/2025	3/21/2025	5	20
5	Wet Well Construction	Trenching	3/22/2025	6/13/2025	5	60
6	Wall and Generator	Building Construction	6/14/2025	7/11/2025	5	20
7	Pumps and Piping	Building Construction	7/12/2025	10/31/2025	5	80
8	Final Grading and Paving	Paving	11/11/2025	11/28/2025	5	20
9	PG&E Site Painting	Architectural Coating	11/29/2025	12/26/2025	5	20

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 40.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 12,323; Non-Residential Indoor: 4,108; Striped Parking Area: 0
 (Architectural Coating – sqft)

Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading Rough	Dumpers/Tenders	1	6.00	16	0.38
Grading Rough	Excavators	1	6.00	158	0.38
Grading Rough	Forklifts	1	6.00	89	0.20
Grading Rough	Graders	1	6.00	187	0.41
Grading Rough	Off-Highway Trucks	2	6.00	250	0.38
Grading Rough	Plate Compactors	1	6.00	8	0.43
Grading Rough	Rollers	1	6.00	80	0.38
Grading Rough	Rubber Tired Dozers	1	6.00	247	0.40
Grading Rough	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Piping Underground	Dumpers/Tenders	1	6.00	16	0.38
Piping Underground	Forklifts	1	6.00	89	0.20
Piping Underground	Off-Highway Trucks	2	6.00	250	0.38
Piping Underground	Off-Highway Trucks	1	6.00	402	0.38

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Piping Underground	Plate Compactors	1	6.00	8	0.43
Piping Underground	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Electrical	Dumpers/Tenders	1	6.00	16	0.38
Site Electrical	Forklifts	1	6.00	89	0.20
Site Electrical	Off-Highway Trucks	1	6.00	250	0.38
Site Electrical	Off-Highway Trucks	1	6.00	402	0.38
Site Electrical	Plate Compactors	1	6.00	8	0.43
Site Electrical	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Lighting	Dumpers/Tenders	1	6.00	16	0.38
Site Lighting	Forklifts	1	6.00	89	0.20
Site Lighting	Off-Highway Trucks	1	6.00	250	0.38
Site Lighting	Off-Highway Trucks	1	6.00	402	0.38
Site Lighting	Plate Compactors	1	6.00	8	0.43
Site Lighting	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wet Well Construction	Cranes	1	1.00	231	0.29
Wet Well Construction	Dumpers/Tenders	1	6.00	16	0.38
Wet Well Construction	Excavators	1	4.00	158	0.38
Wet Well Construction	Forklifts	1	6.00	89	0.20
Wet Well Construction	Off-Highway Trucks	2	6.00	250	0.38
Wet Well Construction	Off-Highway Trucks	1	6.00	402	0.38
Wet Well Construction	Plate Compactors	1	6.00	8	0.43
Wet Well Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wall and Generator	Aerial Lifts	1	8.00	63	0.31
Wall and Generator	Dumpers/Tenders	1	8.00	16	0.38
Wall and Generator	Forklifts	1	8.00	89	0.20
Wall and Generator	Off-Highway Trucks	2	8.00	250	0.38
Wall and Generator	Off-Highway Trucks	1	8.00	402	0.38
Wall and Generator	Plate Compactors	1	8.00	8	0.43
Wall and Generator	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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Pumps and Piping	Aerial Lifts	1	6.00	63	0.31
Pumps and Piping	Dumpers/Tenders	1	6.00	16	0.38
Pumps and Piping	Excavators	1	6.00	158	0.38
Pumps and Piping	Forklifts	1	6.00	89	0.20
Pumps and Piping	Off-Highway Trucks	2	6.00	250	0.38
Pumps and Piping	Off-Highway Trucks	1	6.00	402	0.38
Pumps and Piping	Plate Compactors	1	6.00	8	0.43
Pumps and Piping	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Pumps and Piping	Welders	1	6.00	46	0.45
Final Grading and Paving	Dumpers/Tenders	1	6.00	16	0.38
Final Grading and Paving	Forklifts	1	6.00	89	0.20
Final Grading and Paving	Graders	1	6.00	187	0.41
Final Grading and Paving	Off-Highway Trucks	1	6.00	250	0.38
Final Grading and Paving	Off-Highway Trucks	1	6.00	402	0.38
Final Grading and Paving	Pavers	1	6.00	130	0.42
Final Grading and Paving	Plate Compactors	1	6.00	8	0.43
Final Grading and Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
PG&E Site Painting	Aerial Lifts	2	6.00	63	0.31
PG&E Site Painting	Dumpers/Tenders	1	3.00	16	0.38
PG&E Site Painting	Forklifts	1	6.00	89	0.20
PG&E Site Painting	Off-Highway Trucks	4	8.00	250	0.38
PG&E Site Painting	Off-Highway Trucks	1	3.00	402	0.38
PG&E Site Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading Rough	11	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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Piping Underground	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Electrical	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Lighting	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wet Well Construction	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wall and Generator	8	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Pumps and Piping	10	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading and Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PG&E Site Painting	10	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading Rough - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1434	0.0000	0.1434	0.0694	0.0000	0.0694	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0573	0.5231	0.4544	1.0800e-003		0.0225	0.0225		0.0207	0.0207	0.0000	94.7283	94.7283	0.0302	0.0000	95.4837
Total	0.0573	0.5231	0.4544	1.0800e-003	0.1434	0.0225	0.1659	0.0694	0.0207	0.0901	0.0000	94.7283	94.7283	0.0302	0.0000	95.4837

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3.2 Grading Rough - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6100e-003	1.7400e-003	0.0208	6.0000e-005	6.6000e-003	3.0000e-005	6.6400e-003	1.7600e-003	3.0000e-005	1.7900e-003	0.0000	5.2575	5.2575	1.7000e-004	1.6000e-004	5.3087
Total	2.6100e-003	1.7400e-003	0.0208	6.0000e-005	6.6000e-003	3.0000e-005	6.6400e-003	1.7600e-003	3.0000e-005	1.7900e-003	0.0000	5.2575	5.2575	1.7000e-004	1.6000e-004	5.3087

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1434	0.0000	0.1434	0.0694	0.0000	0.0694	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0573	0.5231	0.4544	1.0800e-003		0.0225	0.0225		0.0207	0.0207	0.0000	94.7282	94.7282	0.0302	0.0000	95.4835
Total	0.0573	0.5231	0.4544	1.0800e-003	0.1434	0.0225	0.1659	0.0694	0.0207	0.0901	0.0000	94.7282	94.7282	0.0302	0.0000	95.4835

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3.2 Grading Rough - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6100e-003	1.7400e-003	0.0208	6.0000e-005	6.6000e-003	3.0000e-005	6.6400e-003	1.7600e-003	3.0000e-005	1.7900e-003	0.0000	5.2575	5.2575	1.7000e-004	1.6000e-004	5.3087
Total	2.6100e-003	1.7400e-003	0.0208	6.0000e-005	6.6000e-003	3.0000e-005	6.6400e-003	1.7600e-003	3.0000e-005	1.7900e-003	0.0000	5.2575	5.2575	1.7000e-004	1.6000e-004	5.3087

3.3 Piping Underground - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0687	0.4913	0.5088	1.5900e-003		0.0201	0.0201		0.0186	0.0186	0.0000	138.7003	138.7003	0.0440	0.0000	139.8006
Total	0.0687	0.4913	0.5088	1.5900e-003		0.0201	0.0201		0.0186	0.0186	0.0000	138.7003	138.7003	0.0440	0.0000	139.8006

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3.3 Piping Underground - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3500e-003	2.2400e-003	0.0268	7.0000e-005	8.4900e-003	4.0000e-005	8.5300e-003	2.2600e-003	4.0000e-005	2.3000e-003	0.0000	6.7596	6.7596	2.2000e-004	2.0000e-004	6.8254
Total	3.3500e-003	2.2400e-003	0.0268	7.0000e-005	8.4900e-003	4.0000e-005	8.5300e-003	2.2600e-003	4.0000e-005	2.3000e-003	0.0000	6.7596	6.7596	2.2000e-004	2.0000e-004	6.8254

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0687	0.4913	0.5088	1.5900e-003		0.0201	0.0201		0.0186	0.0186	0.0000	138.7002	138.7002	0.0440	0.0000	139.8005
Total	0.0687	0.4913	0.5088	1.5900e-003		0.0201	0.0201		0.0186	0.0186	0.0000	138.7002	138.7002	0.0440	0.0000	139.8005

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3.3 Piping Underground - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3500e-003	2.2400e-003	0.0268	7.0000e-005	8.4900e-003	4.0000e-005	8.5300e-003	2.2600e-003	4.0000e-005	2.3000e-003	0.0000	6.7596	6.7596	2.2000e-004	2.0000e-004	6.8254
Total	3.3500e-003	2.2400e-003	0.0268	7.0000e-005	8.4900e-003	4.0000e-005	8.5300e-003	2.2600e-003	4.0000e-005	2.3000e-003	0.0000	6.7596	6.7596	2.2000e-004	2.0000e-004	6.8254

3.4 Site Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0365	0.2659	0.2828	8.4000e-004		0.0109	0.0109		0.0101	0.0101	0.0000	72.8522	72.8522	0.0230	0.0000	73.4268
Total	0.0365	0.2659	0.2828	8.4000e-004		0.0109	0.0109		0.0101	0.0101	0.0000	72.8522	72.8522	0.0230	0.0000	73.4268

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3.4 Site Electrical - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9100e-003	1.2700e-003	0.0152	4.0000e-005	4.8400e-003	2.0000e-005	4.8600e-003	1.2900e-003	2.0000e-005	1.3100e-003	0.0000	3.8492	3.8492	1.2000e-004	1.2000e-004	3.8867
Total	1.9100e-003	1.2700e-003	0.0152	4.0000e-005	4.8400e-003	2.0000e-005	4.8600e-003	1.2900e-003	2.0000e-005	1.3100e-003	0.0000	3.8492	3.8492	1.2000e-004	1.2000e-004	3.8867

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0365	0.2659	0.2828	8.4000e-004		0.0109	0.0109		0.0101	0.0101	0.0000	72.8522	72.8522	0.0230	0.0000	73.4267
Total	0.0365	0.2659	0.2828	8.4000e-004		0.0109	0.0109		0.0101	0.0101	0.0000	72.8522	72.8522	0.0230	0.0000	73.4267

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3.4 Site Electrical - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9100e-003	1.2700e-003	0.0152	4.0000e-005	4.8400e-003	2.0000e-005	4.8600e-003	1.2900e-003	2.0000e-005	1.3100e-003	0.0000	3.8492	3.8492	1.2000e-004	1.2000e-004	3.8867
Total	1.9100e-003	1.2700e-003	0.0152	4.0000e-005	4.8400e-003	2.0000e-005	4.8600e-003	1.2900e-003	2.0000e-005	1.3100e-003	0.0000	3.8492	3.8492	1.2000e-004	1.2000e-004	3.8867

3.4 Site Electrical - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0160	0.1087	0.1289	3.9000e-004		4.2700e-003	4.2700e-003		3.9600e-003	3.9600e-003	0.0000	33.7561	33.7561	0.0107	0.0000	34.0223
Total	0.0160	0.1087	0.1289	3.9000e-004		4.2700e-003	4.2700e-003		3.9600e-003	3.9600e-003	0.0000	33.7561	33.7561	0.0107	0.0000	34.0223

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

3.4 Site Electrical - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.2000e-004	5.2000e-004	6.5200e-003	2.0000e-005	2.2400e-003	1.0000e-005	2.2500e-003	6.0000e-004	1.0000e-005	6.1000e-004	0.0000	1.7405	1.7405	5.0000e-005	5.0000e-005	1.7565
Total	8.2000e-004	5.2000e-004	6.5200e-003	2.0000e-005	2.2400e-003	1.0000e-005	2.2500e-003	6.0000e-004	1.0000e-005	6.1000e-004	0.0000	1.7405	1.7405	5.0000e-005	5.0000e-005	1.7565

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0160	0.1087	0.1289	3.9000e-004		4.2700e-003	4.2700e-003		3.9600e-003	3.9600e-003	0.0000	33.7561	33.7561	0.0107	0.0000	34.0223
Total	0.0160	0.1087	0.1289	3.9000e-004		4.2700e-003	4.2700e-003		3.9600e-003	3.9600e-003	0.0000	33.7561	33.7561	0.0107	0.0000	34.0223

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3.4 Site Electrical - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.2000e-004	5.2000e-004	6.5200e-003	2.0000e-005	2.2400e-003	1.0000e-005	2.2500e-003	6.0000e-004	1.0000e-005	6.1000e-004	0.0000	1.7405	1.7405	5.0000e-005	5.0000e-005	1.7565
Total	8.2000e-004	5.2000e-004	6.5200e-003	2.0000e-005	2.2400e-003	1.0000e-005	2.2500e-003	6.0000e-004	1.0000e-005	6.1000e-004	0.0000	1.7405	1.7405	5.0000e-005	5.0000e-005	1.7565

3.5 Site Lighting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.4000e-003	0.0572	0.0678	2.0000e-004		2.2500e-003	2.2500e-003		2.0800e-003	2.0800e-003	0.0000	17.7664	17.7664	5.6000e-003	0.0000	17.9065
Total	8.4000e-003	0.0572	0.0678	2.0000e-004		2.2500e-003	2.2500e-003		2.0800e-003	2.0800e-003	0.0000	17.7664	17.7664	5.6000e-003	0.0000	17.9065

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3.5 Site Lighting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.7000e-004	3.4300e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9161	0.9161	3.0000e-005	3.0000e-005	0.9245
Total	4.3000e-004	2.7000e-004	3.4300e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9161	0.9161	3.0000e-005	3.0000e-005	0.9245

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.4000e-003	0.0572	0.0678	2.0000e-004		2.2500e-003	2.2500e-003		2.0800e-003	2.0800e-003	0.0000	17.7663	17.7663	5.6000e-003	0.0000	17.9065
Total	8.4000e-003	0.0572	0.0678	2.0000e-004		2.2500e-003	2.2500e-003		2.0800e-003	2.0800e-003	0.0000	17.7663	17.7663	5.6000e-003	0.0000	17.9065

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3.5 Site Lighting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.7000e-004	3.4300e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9161	0.9161	3.0000e-005	3.0000e-005	0.9245
Total	4.3000e-004	2.7000e-004	3.4300e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9161	0.9161	3.0000e-005	3.0000e-005	0.9245

3.6 Wet Well Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0359	0.2444	0.3046	8.9000e-004		9.7700e-003	9.7700e-003		9.0400e-003	9.0400e-003	0.0000	78.0528	78.0528	0.0248	0.0000	78.6733
Total	0.0359	0.2444	0.3046	8.9000e-004		9.7700e-003	9.7700e-003		9.0400e-003	9.0400e-003	0.0000	78.0528	78.0528	0.0248	0.0000	78.6733

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

3.6 Wet Well Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9900e-003	1.2600e-003	0.0158	4.0000e-005	5.4300e-003	3.0000e-005	5.4500e-003	1.4400e-003	2.0000e-005	1.4700e-003	0.0000	4.2139	4.2139	1.2000e-004	1.2000e-004	4.2526
Total	1.9900e-003	1.2600e-003	0.0158	4.0000e-005	5.4300e-003	3.0000e-005	5.4500e-003	1.4400e-003	2.0000e-005	1.4700e-003	0.0000	4.2139	4.2139	1.2000e-004	1.2000e-004	4.2526

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0359	0.2444	0.3046	8.9000e-004		9.7700e-003	9.7700e-003		9.0400e-003	9.0400e-003	0.0000	78.0527	78.0527	0.0248	0.0000	78.6732
Total	0.0359	0.2444	0.3046	8.9000e-004		9.7700e-003	9.7700e-003		9.0400e-003	9.0400e-003	0.0000	78.0527	78.0527	0.0248	0.0000	78.6732

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3.6 Wet Well Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9900e-003	1.2600e-003	0.0158	4.0000e-005	5.4300e-003	3.0000e-005	5.4500e-003	1.4400e-003	2.0000e-005	1.4700e-003	0.0000	4.2139	4.2139	1.2000e-004	1.2000e-004	4.2526
Total	1.9900e-003	1.2600e-003	0.0158	4.0000e-005	5.4300e-003	3.0000e-005	5.4500e-003	1.4400e-003	2.0000e-005	1.4700e-003	0.0000	4.2139	4.2139	1.2000e-004	1.2000e-004	4.2526

3.7 Wall and Generator - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0146	0.1004	0.1217	3.7000e-004		3.8100e-003	3.8100e-003		3.5300e-003	3.5300e-003	0.0000	32.2945	32.2945	0.0103	0.0000	32.5509
Total	0.0146	0.1004	0.1217	3.7000e-004		3.8100e-003	3.8100e-003		3.5300e-003	3.5300e-003	0.0000	32.2945	32.2945	0.0103	0.0000	32.5509

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

3.7 Wall and Generator - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	5.9000e-004	1.3000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2068	0.2068	0.0000	3.0000e-005	0.2157
Worker	9.0000e-005	5.0000e-005	6.9000e-004	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1832	0.1832	1.0000e-005	1.0000e-005	0.1849
Total	1.0000e-004	6.4000e-004	8.2000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.3900	0.3900	1.0000e-005	4.0000e-005	0.4006

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0146	0.1004	0.1217	3.7000e-004		3.8100e-003	3.8100e-003		3.5300e-003	3.5300e-003	0.0000	32.2944	32.2944	0.0103	0.0000	32.5508
Total	0.0146	0.1004	0.1217	3.7000e-004		3.8100e-003	3.8100e-003		3.5300e-003	3.5300e-003	0.0000	32.2944	32.2944	0.0103	0.0000	32.5508

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3.7 Wall and Generator - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	5.9000e-004	1.3000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2068	0.2068	0.0000	3.0000e-005	0.2157
Worker	9.0000e-005	5.0000e-005	6.9000e-004	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1832	0.1832	1.0000e-005	1.0000e-005	0.1849
Total	1.0000e-004	6.4000e-004	8.2000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.3900	0.3900	1.0000e-005	4.0000e-005	0.4006

3.8 Pumps and Piping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0555	0.3781	0.5123	1.3400e-003		0.0145	0.0145		0.0135	0.0135	0.0000	116.1470	116.1470	0.0357	0.0000	117.0397
Total	0.0555	0.3781	0.5123	1.3400e-003		0.0145	0.0145		0.0135	0.0135	0.0000	116.1470	116.1470	0.0357	0.0000	117.0397

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3.8 Pumps and Piping - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	2.3700e-003	5.3000e-004	1.0000e-005	2.6000e-004	1.0000e-005	2.7000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	0.8271	0.8271	0.0000	1.2000e-004	0.8628
Worker	3.5000e-004	2.2000e-004	2.7400e-003	1.0000e-005	9.4000e-004	0.0000	9.5000e-004	2.5000e-004	0.0000	2.6000e-004	0.0000	0.7328	0.7328	2.0000e-005	2.0000e-005	0.7396
Total	4.0000e-004	2.5900e-003	3.2700e-003	2.0000e-005	1.2000e-003	1.0000e-005	1.2200e-003	3.3000e-004	1.0000e-005	3.5000e-004	0.0000	1.5600	1.5600	2.0000e-005	1.4000e-004	1.6024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0555	0.3781	0.5123	1.3400e-003		0.0145	0.0145		0.0135	0.0135	0.0000	116.1468	116.1468	0.0357	0.0000	117.0396
Total	0.0555	0.3781	0.5123	1.3400e-003		0.0145	0.0145		0.0135	0.0135	0.0000	116.1468	116.1468	0.0357	0.0000	117.0396

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3.8 Pumps and Piping - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	2.3700e-003	5.3000e-004	1.0000e-005	2.6000e-004	1.0000e-005	2.7000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	0.8271	0.8271	0.0000	1.2000e-004	0.8628
Worker	3.5000e-004	2.2000e-004	2.7400e-003	1.0000e-005	9.4000e-004	0.0000	9.5000e-004	2.5000e-004	0.0000	2.6000e-004	0.0000	0.7328	0.7328	2.0000e-005	2.0000e-005	0.7396
Total	4.0000e-004	2.5900e-003	3.2700e-003	2.0000e-005	1.2000e-003	1.0000e-005	1.2200e-003	3.3000e-004	1.0000e-005	3.5000e-004	0.0000	1.5600	1.5600	2.0000e-005	1.4000e-004	1.6024

3.9 Final Grading and Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0120	0.0950	0.1015	2.9000e-004		3.6400e-003	3.6400e-003		3.3600e-003	3.3600e-003	0.0000	25.2182	25.2182	8.0100e-003	0.0000	25.4186
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0120	0.0950	0.1015	2.9000e-004		3.6400e-003	3.6400e-003		3.3600e-003	3.3600e-003	0.0000	25.2182	25.2182	8.0100e-003	0.0000	25.4186

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

3.9 Final Grading and Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.8000e-004	3.7000e-004	4.5700e-003	1.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.2214	1.2214	4.0000e-005	3.0000e-005	1.2327
Total	5.8000e-004	3.7000e-004	4.5700e-003	1.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.2214	1.2214	4.0000e-005	3.0000e-005	1.2327

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0120	0.0950	0.1015	2.9000e-004		3.6400e-003	3.6400e-003		3.3600e-003	3.3600e-003	0.0000	25.2182	25.2182	8.0100e-003	0.0000	25.4185
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0120	0.0950	0.1015	2.9000e-004		3.6400e-003	3.6400e-003		3.3600e-003	3.3600e-003	0.0000	25.2182	25.2182	8.0100e-003	0.0000	25.4185

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

3.9 Final Grading and Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.8000e-004	3.7000e-004	4.5700e-003	1.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.2214	1.2214	4.0000e-005	3.0000e-005	1.2327
Total	5.8000e-004	3.7000e-004	4.5700e-003	1.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.2214	1.2214	4.0000e-005	3.0000e-005	1.2327

3.10 PG&E Site Painting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0952					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0161	0.1071	0.1274	4.3000e-004		4.0100e-003	4.0100e-003		3.6900e-003	3.6900e-003	0.0000	37.3312	37.3312	0.0120	0.0000	37.6319
Total	0.1113	0.1071	0.1274	4.3000e-004		4.0100e-003	4.0100e-003		3.6900e-003	3.6900e-003	0.0000	37.3312	37.3312	0.0120	0.0000	37.6319

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

3.10 PG&E Site Painting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0611	0.0611	0.0000	0.0000	0.0616
Total	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0611	0.0611	0.0000	0.0000	0.0616

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0952					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0161	0.1071	0.1274	4.3000e-004		4.0100e-003	4.0100e-003		3.6900e-003	3.6900e-003	0.0000	37.3312	37.3312	0.0120	0.0000	37.6319
Total	0.1113	0.1071	0.1274	4.3000e-004		4.0100e-003	4.0100e-003		3.6900e-003	3.6900e-003	0.0000	37.3312	37.3312	0.0120	0.0000	37.6319

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

3.10 PG&E Site Painting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0611	0.0611	0.0000	0.0000	0.0616
Total	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0611	0.0611	0.0000	0.0000	0.0616

Pump Station 21 - Yuba County, Annual

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

5.3 Energy by Land Use - Electricity

Unmitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000

Mitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Pump Station 21 - Yuba County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0496	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	0.0000	2.0000e-004
Unmitigated	0.0496	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	0.0000	2.0000e-004

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	9.5200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0401					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	0.0000	2.0000e-004
Total	0.0496	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	0.0000	2.0000e-004

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	9.5200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0401					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	0.0000	2.0000e-004
Total	0.0496	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	0.0000	2.0000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

Pump Station 21 - Yuba County, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	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			
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Pump Station 21 - Yuba County, Annual

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated 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

Pump Station 21 - Yuba County, Annual

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

8.2 Waste by Land Use

Unmitigated

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

Mitigated

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

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Pump Station 21 - Yuba County, Annual

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	335	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

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 (300 - 600 HP)	1.6500e-003	4.6100e-003	4.2100e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.7654	0.7654	1.1000e-004	0.0000	0.7681
Total	1.6500e-003	4.6100e-003	4.2100e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.7654	0.7654	1.1000e-004	0.0000	0.7681

11.0 Vegetation

Pump Station 21 - Yuba County, Summer

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

**Pump Station 21
Yuba County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.26	1000sqft	0.24	10,260.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Combined phases provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

Pump Station 21 - Yuba County, Summer

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

Trips and VMT -

Grading -

Vehicle Trips - Maintenance trips in Pump Station 1

Energy Use - n/a

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	20.00
tblConstructionPhase	NumDays	100.00	20.00
tblConstructionPhase	NumDays	100.00	80.00
tblConstructionPhase	NumDays	2.00	60.00
tblConstructionPhase	NumDays	5.00	20.00
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6550e-003	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.5660e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.4350e-003	0.00

Pump Station 21 - Yuba County, Summer

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00

Pump Station 21 - Yuba County, Summer

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		PG&E Site Painting

Pump Station 21 - Yuba County, Summer

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

tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Grading Rough

Pump Station 21 - Yuba County, Summer

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

tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	7.72	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	200.00	335.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	6.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	1,898,562.50	0.00

2.0 Emissions Summary

Pump Station 21 - Yuba County, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.0137	17.4885	15.9521	0.0382	5.0108	0.7499	5.7606	2.3727	0.6915	3.0642	0.0000	3,692.5084	3,692.5084	1.1160	5.3900e-003	3,722.0150
2025	11.1345	10.7114	12.8996	0.0426	0.1889	0.4007	0.5289	0.0501	0.3692	0.3806	0.0000	4,122.4404	4,122.4404	1.3262	4.1000e-003	4,155.6470
Maximum	11.1345	17.4885	15.9521	0.0426	5.0108	0.7499	5.7606	2.3727	0.6915	3.0642	0.0000	4,122.4404	4,122.4404	1.3262	5.3900e-003	4,155.6470

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.0137	17.4885	15.9521	0.0382	5.0108	0.7499	5.7606	2.3727	0.6915	3.0642	0.0000	3,692.5084	3,692.5084	1.1160	5.3900e-003	3,722.0150
2025	11.1345	10.7114	12.8996	0.0426	0.1889	0.4007	0.5289	0.0501	0.3692	0.3806	0.0000	4,122.4404	4,122.4404	1.3262	4.1000e-003	4,155.6470
Maximum	11.1345	17.4885	15.9521	0.0426	5.0108	0.7499	5.7606	2.3727	0.6915	3.0642	0.0000	4,122.4404	4,122.4404	1.3262	5.3900e-003	4,155.6470

Pump Station 21 - Yuba County, Summer

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

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

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	0.2718	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2500e-003	2.2500e-003	1.0000e-005		2.3900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.2748	0.7683	0.7009	1.3200e-003		0.0404	0.0404		0.0404	0.0404		140.6186	140.6186	0.0197		141.1115
Total	0.5467	0.7683	0.7019	1.3200e-003	0.0000	0.0404	0.0404	0.0000	0.0404	0.0404		140.6209	140.6209	0.0197	0.0000	141.1139

Pump Station 21 - Yuba County, Summer

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2718	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2500e-003	2.2500e-003	1.0000e-005		2.3900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.2748	0.7683	0.7009	1.3200e-003		0.0404	0.0404		0.0404	0.0404		140.6186	140.6186	0.0197		141.1115
Total	0.5467	0.7683	0.7019	1.3200e-003	0.0000	0.0404	0.0404	0.0000	0.0404	0.0404		140.6209	140.6209	0.0197	0.0000	141.1139

	ROG	NOx	CO	SO2	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	Grading Rough	Grading	1/1/2024	3/22/2024	5	60	
2	Piping Underground	Trenching	3/23/2024	9/6/2024	5	120	
3	Site Electrical	Trenching	9/7/2024	2/21/2025	5	120	
4	Site Lighting	Trenching	2/22/2025	3/21/2025	5	20	

Pump Station 21 - Yuba County, Summer

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

5	Wet Well Construction	Trenching	3/22/2025	6/13/2025	5	60
6	Wall and Generator	Building Construction	6/14/2025	7/11/2025	5	20
7	Pumps and Piping	Building Construction	7/12/2025	10/31/2025	5	80
8	Final Grading and Paving	Paving	11/1/2025	11/28/2025	5	20
9	PG&E Site Painting	Architectural Coating	11/29/2025	12/26/2025	5	20

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 40.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 12,323; Non-Residential Outdoor: 4,108; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading Rough	Dumpers/Tenders	1	6.00	16	0.38
Grading Rough	Excavators	1	6.00	158	0.38
Grading Rough	Forklifts	1	6.00	89	0.20
Grading Rough	Graders	1	6.00	187	0.41
Grading Rough	Off-Highway Trucks	2	6.00	250	0.38
Grading Rough	Plate Compactors	1	6.00	8	0.43
Grading Rough	Rollers	1	6.00	80	0.38
Grading Rough	Rubber Tired Dozers	1	6.00	247	0.40
Grading Rough	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Piping Underground	Dumpers/Tenders	1	6.00	16	0.38
Piping Underground	Forklifts	1	6.00	89	0.20
Piping Underground	Off-Highway Trucks	2	6.00	250	0.38
Piping Underground	Off-Highway Trucks	1	6.00	402	0.38
Piping Underground	Plate Compactors	1	6.00	8	0.43
Piping Underground	Tractors/Loaders/Backhoes	1	6.00	97	0.37

Pump Station 21 - Yuba County, Summer

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

Site Electrical	Dumpers/Tenders	1	6.00	16	0.38
Site Electrical	Forklifts	1	6.00	89	0.20
Site Electrical	Off-Highway Trucks	1	6.00	250	0.38
Site Electrical	Off-Highway Trucks	1	6.00	402	0.38
Site Electrical	Plate Compactors	1	6.00	8	0.43
Site Electrical	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Lighting	Dumpers/Tenders	1	6.00	16	0.38
Site Lighting	Forklifts	1	6.00	89	0.20
Site Lighting	Off-Highway Trucks	1	6.00	250	0.38
Site Lighting	Off-Highway Trucks	1	6.00	402	0.38
Site Lighting	Plate Compactors	1	6.00	8	0.43
Site Lighting	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wet Well Construction	Cranes	1	1.00	231	0.29
Wet Well Construction	Dumpers/Tenders	1	6.00	16	0.38
Wet Well Construction	Excavators	1	4.00	158	0.38
Wet Well Construction	Forklifts	1	6.00	89	0.20
Wet Well Construction	Off-Highway Trucks	2	6.00	250	0.38
Wet Well Construction	Off-Highway Trucks	1	6.00	402	0.38
Wet Well Construction	Plate Compactors	1	6.00	8	0.43
Wet Well Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wall and Generator	Aerial Lifts	1	8.00	63	0.31
Wall and Generator	Dumpers/Tenders	1	8.00	16	0.38
Wall and Generator	Forklifts	1	8.00	89	0.20
Wall and Generator	Off-Highway Trucks	2	8.00	250	0.38
Wall and Generator	Off-Highway Trucks	1	8.00	402	0.38
Wall and Generator	Plate Compactors	1	8.00	8	0.43
Wall and Generator	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pumps and Piping	Aerial Lifts	1	6.00	63	0.31
Pumps and Piping	Dumpers/Tenders	1	6.00	16	0.38

Pump Station 21 - Yuba County, Summer

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

Pumps and Piping	Excavators	1	6.00	158	0.38
Pumps and Piping	Forklifts	1	6.00	89	0.20
Pumps and Piping	Off-Highway Trucks	2	6.00	250	0.38
Pumps and Piping	Off-Highway Trucks	1	6.00	402	0.38
Pumps and Piping	Plate Compactors	1	6.00	8	0.43
Pumps and Piping	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Pumps and Piping	Welders	1	6.00	46	0.45
Final Grading and Paving	Dumpers/Tenders	1	6.00	16	0.38
Final Grading and Paving	Forklifts	1	6.00	89	0.20
Final Grading and Paving	Graders	1	6.00	187	0.41
Final Grading and Paving	Off-Highway Trucks	1	6.00	250	0.38
Final Grading and Paving	Off-Highway Trucks	1	6.00	402	0.38
Final Grading and Paving	Pavers	1	6.00	130	0.42
Final Grading and Paving	Plate Compactors	1	6.00	8	0.43
Final Grading and Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
PG&E Site Painting	Aerial Lifts	2	6.00	63	0.31
PG&E Site Painting	Dumpers/Tenders	1	3.00	16	0.38
PG&E Site Painting	Forklifts	1	6.00	89	0.20
PG&E Site Painting	Off-Highway Trucks	4	8.00	250	0.38
PG&E Site Painting	Off-Highway Trucks	1	3.00	402	0.38
PG&E Site Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading Rough	11	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Piping Underground	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Electrical	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Pump Station 21 - Yuba County, Summer

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

Site Lighting	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wet Well Construction	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wall and Generator	8	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Pumps and Piping	10	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading and Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PG&E Site Painting	10	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading Rough - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.7808	0.0000	4.7808	2.3117	0.0000	2.3117			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905		3,480.669 3	3,480.669 3	1.1102		3,508.423 4
Total	1.9112	17.4364	15.1455	0.0361	4.7808	0.7488	5.5295	2.3117	0.6905	3.0022		3,480.669 3	3,480.669 3	1.1102		3,508.423 4

Pump Station 21 - Yuba County, Summer

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

3.2 Grading Rough - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915
Total	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.7808	0.0000	4.7808	2.3117	0.0000	2.3117			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234
Total	1.9112	17.4364	15.1455	0.0361	4.7808	0.7488	5.5295	2.3117	0.6905	3.0022	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234

Pump Station 21 - Yuba County, Summer

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

3.2 Grading Rough - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915
Total	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915

3.3 Piping Underground - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969

Pump Station 21 - Yuba County, Summer

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

3.3 Piping Underground - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089
Total	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969

Pump Station 21 - Yuba County, Summer

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

3.3 Piping Underground - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089
Total	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089

3.4 Site Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271

Pump Station 21 - Yuba County, Summer

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

3.4 Site Electrical - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240
Total	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271

Pump Station 21 - Yuba County, Summer

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

3.4 Site Electrical - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240
Total	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240

3.4 Site Electrical - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 21 - Yuba County, Summer

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

3.4 Site Electrical - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0510	0.0246	0.3977	1.0600e-003	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		110.7013	110.7013	2.7800e-003	2.6700e-003	111.5676
Total	0.0510	0.0246	0.3977	1.0600e-003	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		110.7013	110.7013	2.7800e-003	2.6700e-003	111.5676

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 21 - Yuba County, Summer

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

3.4 Site Electrical - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0510	0.0246	0.3977	1.0600e-003	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		110.7013	110.7013	2.7800e-003	2.6700e-003	111.5676
Total	0.0510	0.0246	0.3977	1.0600e-003	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		110.7013	110.7013	2.7800e-003	2.6700e-003	111.5676

3.5 Site Lighting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 21 - Yuba County, Summer

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

3.5 Site Lighting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0510	0.0246	0.3977	1.0600e-003	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		110.7013	110.7013	2.7800e-003	2.6700e-003	111.5676
Total	0.0510	0.0246	0.3977	1.0600e-003	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		110.7013	110.7013	2.7800e-003	2.6700e-003	111.5676

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 21 - Yuba County, Summer

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

3.5 Site Lighting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0510	0.0246	0.3977	1.0600e-003	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		110.7013	110.7013	2.7800e-003	2.6700e-003	111.5676
Total	0.0510	0.0246	0.3977	1.0600e-003	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		110.7013	110.7013	2.7800e-003	2.6700e-003	111.5676

3.6 Wet Well Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014		2,867.948 2	2,867.948 2	0.9120		2,890.748 1
Total	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014		2,867.948 2	2,867.948 2	0.9120		2,890.748 1

Pump Station 21 - Yuba County, Summer

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

3.6 Wet Well Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0782	0.0378	0.6098	1.6300e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		169.7420	169.7420	4.2700e-003	4.1000e-003	171.0703
Total	0.0782	0.0378	0.6098	1.6300e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		169.7420	169.7420	4.2700e-003	4.1000e-003	171.0703

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014	0.0000	2,867.9482	2,867.9482	0.9120		2,890.7481
Total	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014	0.0000	2,867.9482	2,867.9482	0.9120		2,890.7481

Pump Station 21 - Yuba County, Summer

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

3.6 Wet Well Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0782	0.0378	0.6098	1.6300e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		169.7420	169.7420	4.2700e-003	4.1000e-003	171.0703
Total	0.0782	0.0378	0.6098	1.6300e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		169.7420	169.7420	4.2700e-003	4.1000e-003	171.0703

3.7 Wall and Generator - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526		3,559.8544	3,559.8544	1.1306		3,588.1192
Total	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526		3,559.8544	3,559.8544	1.1306		3,588.1192

Pump Station 21 - Yuba County, Summer

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

3.7 Wall and Generator - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3900e-003	0.0562	0.0131	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.3000e-004	2.2700e-003		22.7854	22.7854	7.0000e-005	3.2900e-003	23.7667
Worker	0.0102	4.9300e-003	0.0795	2.1000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		22.1403	22.1403	5.6000e-004	5.3000e-004	22.3135
Total	0.0116	0.0612	0.0926	4.3000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.3000e-004	8.9100e-003		44.9256	44.9256	6.3000e-004	3.8200e-003	46.0803

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526	0.0000	3,559.8544	3,559.8544	1.1306		3,588.1192
Total	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526	0.0000	3,559.8544	3,559.8544	1.1306		3,588.1192

Pump Station 21 - Yuba County, Summer

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

3.7 Wall and Generator - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3900e-003	0.0562	0.0131	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.3000e-004	2.2700e-003		22.7854	22.7854	7.0000e-005	3.2900e-003	23.7667
Worker	0.0102	4.9300e-003	0.0795	2.1000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		22.1403	22.1403	5.6000e-004	5.3000e-004	22.3135
Total	0.0116	0.0612	0.0926	4.3000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.3000e-004	8.9100e-003		44.9256	44.9256	6.3000e-004	3.8200e-003	46.0803

3.8 Pumps and Piping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365		3,200.7525	3,200.7525	0.9841		3,225.3549
Total	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365		3,200.7525	3,200.7525	0.9841		3,225.3549

Pump Station 21 - Yuba County, Summer

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

3.8 Pumps and Piping - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3900e-003	0.0562	0.0131	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.3000e-004	2.2700e-003		22.7854	22.7854	7.0000e-005	3.2900e-003	23.7667
Worker	0.0102	4.9300e-003	0.0795	2.1000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		22.1403	22.1403	5.6000e-004	5.3000e-004	22.3135
Total	0.0116	0.0612	0.0926	4.3000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.3000e-004	8.9100e-003		44.9256	44.9256	6.3000e-004	3.8200e-003	46.0803

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365	0.0000	3,200.7525	3,200.7525	0.9841		3,225.3548
Total	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365	0.0000	3,200.7525	3,200.7525	0.9841		3,225.3548

Pump Station 21 - Yuba County, Summer

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

3.8 Pumps and Piping - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3900e-003	0.0562	0.0131	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.3000e-004	2.2700e-003		22.7854	22.7854	7.0000e-005	3.2900e-003	23.7667
Worker	0.0102	4.9300e-003	0.0795	2.1000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		22.1403	22.1403	5.6000e-004	5.3000e-004	22.3135
Total	0.0116	0.0612	0.0926	4.3000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.3000e-004	8.9100e-003		44.9256	44.9256	6.3000e-004	3.8200e-003	46.0803

3.9 Final Grading and Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363		2,779.8308	2,779.8308	0.8835		2,801.9183
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363		2,779.8308	2,779.8308	0.8835		2,801.9183

Pump Station 21 - Yuba County, Summer

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

3.9 Final Grading and Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0680	0.0329	0.5303	1.4200e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		147.6017	147.6017	3.7100e-003	3.5600e-003	148.7568
Total	0.0680	0.0329	0.5303	1.4200e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		147.6017	147.6017	3.7100e-003	3.5600e-003	148.7568

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363	0.0000	2,779.8308	2,779.8308	0.8835		2,801.9183
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363	0.0000	2,779.8308	2,779.8308	0.8835		2,801.9183

Pump Station 21 - Yuba County, Summer

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

3.9 Final Grading and Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0680	0.0329	0.5303	1.4200e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		147.6017	147.6017	3.7100e-003	3.5600e-003	148.7568
Total	0.0680	0.0329	0.5303	1.4200e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		147.6017	147.6017	3.7100e-003	3.5600e-003	148.7568

3.10 PG&E Site Painting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.5197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092
Total	11.1311	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092

Pump Station 21 - Yuba County, Summer

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

3.10 PG&E Site Painting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-003	1.6400e-003	0.0265	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		7.3801	7.3801	1.9000e-004	1.8000e-004	7.4378
Total	3.4000e-003	1.6400e-003	0.0265	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		7.3801	7.3801	1.9000e-004	1.8000e-004	7.4378

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.5197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092
Total	11.1311	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092

Pump Station 21 - Yuba County, Summer

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

3.10 PG&E Site Painting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-003	1.6400e-003	0.0265	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		7.3801	7.3801	1.9000e-004	1.8000e-004	7.4378
Total	3.4000e-003	1.6400e-003	0.0265	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		7.3801	7.3801	1.9000e-004	1.8000e-004	7.4378

Pump Station 21 - Yuba County, Summer

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	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

Pump Station 21 - Yuba County, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated 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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2718	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2500e-003	2.2500e-003	1.0000e-005		2.3900e-003
Unmitigated	0.2718	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2500e-003	2.2500e-003	1.0000e-005		2.3900e-003

Pump Station 21 - Yuba County, Summer

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2196					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2500e-003	2.2500e-003	1.0000e-005		2.3900e-003
Total	0.2718	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2500e-003	2.2500e-003	1.0000e-005		2.3900e-003

Pump Station 21 - Yuba County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2196					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2500e-003	2.2500e-003	1.0000e-005		2.3900e-003
Total	0.2718	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2500e-003	2.2500e-003	1.0000e-005		2.3900e-003

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

Pump Station 21 - Yuba County, Summer

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

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	335	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 (300 - 600 HP)	0.2748	0.7683	0.7009	1.3200e-003		0.0404	0.0404		0.0404	0.0404		140.6186	140.6186	0.0197		141.1115
Total	0.2748	0.7683	0.7009	1.3200e-003		0.0404	0.0404		0.0404	0.0404		140.6186	140.6186	0.0197		141.1115

11.0 Vegetation

Pump Station 21 - Yuba County, Winter

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

Pump Station 21

Yuba County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.26	1000sqft	0.24	10,260.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Combined phases provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

Pump Station 21 - Yuba County, Winter

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

Trips and VMT -

Grading -

Vehicle Trips - Maintenance trips in Pump Station 1

Energy Use - n/a

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	20.00
tblConstructionPhase	NumDays	100.00	20.00
tblConstructionPhase	NumDays	100.00	80.00
tblConstructionPhase	NumDays	2.00	60.00
tblConstructionPhase	NumDays	5.00	20.00
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6550e-003	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.5660e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.4350e-003	0.00

Pump Station 21 - Yuba County, Winter

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00

Pump Station 21 - Yuba County, Winter

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		PG&E Site Painting

Pump Station 21 - Yuba County, Winter

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

tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Grading Rough

Pump Station 21 - Yuba County, Winter

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

tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	7.72	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	200.00	335.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	6.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	1,898,562.50	0.00

2.0 Emissions Summary

Pump Station 21 - Yuba County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.0009	17.5013	15.8483	0.0380	5.0108	0.7499	5.7606	2.3727	0.6915	3.0642	0.0000	3,668.9777	3,668.9777	1.1169	6.2500e-003	3,698.7640
2025	11.1341	10.7118	12.8902	0.0426	0.1889	0.4007	0.5289	0.0501	0.3692	0.3806	0.0000	4,121.6229	4,121.6229	1.3262	4.7500e-003	4,154.8387
Maximum	11.1341	17.5013	15.8483	0.0426	5.0108	0.7499	5.7606	2.3727	0.6915	3.0642	0.0000	4,121.6229	4,121.6229	1.3262	6.2500e-003	4,154.8387

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.0009	17.5013	15.8483	0.0380	5.0108	0.7499	5.7606	2.3727	0.6915	3.0642	0.0000	3,668.9777	3,668.9777	1.1169	6.2500e-003	3,698.7640
2025	11.1341	10.7118	12.8902	0.0426	0.1889	0.4007	0.5289	0.0501	0.3692	0.3806	0.0000	4,121.6229	4,121.6229	1.3262	4.7500e-003	4,154.8387
Maximum	11.1341	17.5013	15.8483	0.0426	5.0108	0.7499	5.7606	2.3727	0.6915	3.0642	0.0000	4,121.6229	4,121.6229	1.3262	6.2500e-003	4,154.8387

Pump Station 21 - Yuba County, Winter

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

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

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	0.2718	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2500e-003	2.2500e-003	1.0000e-005		2.3900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.2748	0.7683	0.7009	1.3200e-003		0.0404	0.0404		0.0404	0.0404		140.6186	140.6186	0.0197		141.1115
Total	0.5467	0.7683	0.7019	1.3200e-003	0.0000	0.0404	0.0404	0.0000	0.0404	0.0404		140.6209	140.6209	0.0197	0.0000	141.1139

Pump Station 21 - Yuba County, Winter

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2718	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2500e-003	2.2500e-003	1.0000e-005		2.3900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.2748	0.7683	0.7009	1.3200e-003		0.0404	0.0404		0.0404	0.0404		140.6186	140.6186	0.0197		141.1115
Total	0.5467	0.7683	0.7019	1.3200e-003	0.0000	0.0404	0.0404	0.0000	0.0404	0.0404		140.6209	140.6209	0.0197	0.0000	141.1139

	ROG	NOx	CO	SO2	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	Grading Rough	Grading	1/1/2024	3/22/2024	5	60	
2	Piping Underground	Trenching	3/23/2024	9/6/2024	5	120	
3	Site Electrical	Trenching	9/7/2024	2/21/2025	5	120	
4	Site Lighting	Trenching	2/22/2025	3/21/2025	5	20	

Pump Station 21 - Yuba County, Winter

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

5	Wet Well Construction	Trenching	3/22/2025	6/13/2025	5	60
6	Wall and Generator	Building Construction	6/14/2025	7/11/2025	5	20
7	Pumps and Piping	Building Construction	7/12/2025	10/31/2025	5	80
8	Final Grading and Paving	Paving	11/1/2025	11/28/2025	5	20
9	PG&E Site Painting	Architectural Coating	11/29/2025	12/26/2025	5	20

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 40.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 12,323; Non-Residential Outdoor: 4,108; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading Rough	Dumpers/Tenders	1	6.00	16	0.38
Grading Rough	Excavators	1	6.00	158	0.38
Grading Rough	Forklifts	1	6.00	89	0.20
Grading Rough	Graders	1	6.00	187	0.41
Grading Rough	Off-Highway Trucks	2	6.00	250	0.38
Grading Rough	Plate Compactors	1	6.00	8	0.43
Grading Rough	Rollers	1	6.00	80	0.38
Grading Rough	Rubber Tired Dozers	1	6.00	247	0.40
Grading Rough	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Piping Underground	Dumpers/Tenders	1	6.00	16	0.38
Piping Underground	Forklifts	1	6.00	89	0.20
Piping Underground	Off-Highway Trucks	2	6.00	250	0.38
Piping Underground	Off-Highway Trucks	1	6.00	402	0.38
Piping Underground	Plate Compactors	1	6.00	8	0.43
Piping Underground	Tractors/Loaders/Backhoes	1	6.00	97	0.37

Pump Station 21 - Yuba County, Winter

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

Site Electrical	Dumpers/Tenders	1	6.00	16	0.38
Site Electrical	Forklifts	1	6.00	89	0.20
Site Electrical	Off-Highway Trucks	1	6.00	250	0.38
Site Electrical	Off-Highway Trucks	1	6.00	402	0.38
Site Electrical	Plate Compactors	1	6.00	8	0.43
Site Electrical	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Lighting	Dumpers/Tenders	1	6.00	16	0.38
Site Lighting	Forklifts	1	6.00	89	0.20
Site Lighting	Off-Highway Trucks	1	6.00	250	0.38
Site Lighting	Off-Highway Trucks	1	6.00	402	0.38
Site Lighting	Plate Compactors	1	6.00	8	0.43
Site Lighting	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wet Well Construction	Cranes	1	1.00	231	0.29
Wet Well Construction	Dumpers/Tenders	1	6.00	16	0.38
Wet Well Construction	Excavators	1	4.00	158	0.38
Wet Well Construction	Forklifts	1	6.00	89	0.20
Wet Well Construction	Off-Highway Trucks	2	6.00	250	0.38
Wet Well Construction	Off-Highway Trucks	1	6.00	402	0.38
Wet Well Construction	Plate Compactors	1	6.00	8	0.43
Wet Well Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wall and Generator	Aerial Lifts	1	8.00	63	0.31
Wall and Generator	Dumpers/Tenders	1	8.00	16	0.38
Wall and Generator	Forklifts	1	8.00	89	0.20
Wall and Generator	Off-Highway Trucks	2	8.00	250	0.38
Wall and Generator	Off-Highway Trucks	1	8.00	402	0.38
Wall and Generator	Plate Compactors	1	8.00	8	0.43
Wall and Generator	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pumps and Piping	Aerial Lifts	1	6.00	63	0.31
Pumps and Piping	Dumpers/Tenders	1	6.00	16	0.38

Pump Station 21 - Yuba County, Winter

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

Pumps and Piping	Excavators	1	6.00	158	0.38
Pumps and Piping	Forklifts	1	6.00	89	0.20
Pumps and Piping	Off-Highway Trucks	2	6.00	250	0.38
Pumps and Piping	Off-Highway Trucks	1	6.00	402	0.38
Pumps and Piping	Plate Compactors	1	6.00	8	0.43
Pumps and Piping	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Pumps and Piping	Welders	1	6.00	46	0.45
Final Grading and Paving	Dumpers/Tenders	1	6.00	16	0.38
Final Grading and Paving	Forklifts	1	6.00	89	0.20
Final Grading and Paving	Graders	1	6.00	187	0.41
Final Grading and Paving	Off-Highway Trucks	1	6.00	250	0.38
Final Grading and Paving	Off-Highway Trucks	1	6.00	402	0.38
Final Grading and Paving	Pavers	1	6.00	130	0.42
Final Grading and Paving	Plate Compactors	1	6.00	8	0.43
Final Grading and Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
PG&E Site Painting	Aerial Lifts	2	6.00	63	0.31
PG&E Site Painting	Dumpers/Tenders	1	3.00	16	0.38
PG&E Site Painting	Forklifts	1	6.00	89	0.20
PG&E Site Painting	Off-Highway Trucks	4	8.00	250	0.38
PG&E Site Painting	Off-Highway Trucks	1	3.00	402	0.38
PG&E Site Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading Rough	11	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Piping Underground	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Electrical	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Pump Station 21 - Yuba County, Winter

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

Site Lighting	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wet Well Construction	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wall and Generator	8	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Pumps and Piping	10	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading and Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PG&E Site Painting	10	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading Rough - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.7808	0.0000	4.7808	2.3117	0.0000	2.3117			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905		3,480.669 3	3,480.669 3	1.1102		3,508.423 4
Total	1.9112	17.4364	15.1455	0.0361	4.7808	0.7488	5.5295	2.3117	0.6905	3.0022		3,480.669 3	3,480.669 3	1.1102		3,508.423 4

Pump Station 21 - Yuba County, Winter

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

3.2 Grading Rough - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406
Total	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.7808	0.0000	4.7808	2.3117	0.0000	2.3117			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234
Total	1.9112	17.4364	15.1455	0.0361	4.7808	0.7488	5.5295	2.3117	0.6905	3.0022	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234

Pump Station 21 - Yuba County, Winter

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

3.2 Grading Rough - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406
Total	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406

3.3 Piping Underground - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969

Pump Station 21 - Yuba County, Winter

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

3.3 Piping Underground - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618
Total	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969

Pump Station 21 - Yuba County, Winter

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

3.3 Piping Underground - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618
Total	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618

3.4 Site Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271

Pump Station 21 - Yuba County, Winter

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

3.4 Site Electrical - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682
Total	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271

Pump Station 21 - Yuba County, Winter

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

3.4 Site Electrical - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682
Total	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682

3.4 Site Electrical - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 21 - Yuba County, Winter

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

3.4 Site Electrical - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429
Total	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 21 - Yuba County, Winter

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

3.4 Site Electrical - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429
Total	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429

3.5 Site Lighting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 21 - Yuba County, Winter

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

3.5 Site Lighting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429
Total	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 21 - Yuba County, Winter

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

3.5 Site Lighting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429
Total	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429

3.6 Wet Well Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014		2,867.9482	2,867.9482	0.9120		2,890.7481
Total	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014		2,867.9482	2,867.9482	0.9120		2,890.7481

Pump Station 21 - Yuba County, Winter

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

3.6 Wet Well Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0685	0.0471	0.5341	1.4500e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		150.9391	150.9391	4.9800e-003	4.7500e-003	152.4792
Total	0.0685	0.0471	0.5341	1.4500e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		150.9391	150.9391	4.9800e-003	4.7500e-003	152.4792

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014	0.0000	2,867.9482	2,867.9482	0.9120		2,890.7481
Total	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014	0.0000	2,867.9482	2,867.9482	0.9120		2,890.7481

Pump Station 21 - Yuba County, Winter

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

3.6 Wet Well Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0685	0.0471	0.5341	1.4500e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		150.9391	150.9391	4.9800e-003	4.7500e-003	152.4792
Total	0.0685	0.0471	0.5341	1.4500e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		150.9391	150.9391	4.9800e-003	4.7500e-003	152.4792

3.7 Wall and Generator - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526		3,559.8544	3,559.8544	1.1306		3,588.1192
Total	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526		3,559.8544	3,559.8544	1.1306		3,588.1192

Pump Station 21 - Yuba County, Winter

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

3.7 Wall and Generator - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3500e-003	0.0606	0.0136	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.4000e-004	2.2800e-003		22.8048	22.8048	7.0000e-005	3.2900e-003	23.7885
Worker	8.9300e-003	6.1400e-003	0.0697	1.9000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		19.6877	19.6877	6.5000e-004	6.2000e-004	19.8886
Total	0.0103	0.0668	0.0833	4.1000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.4000e-004	8.9200e-003		42.4925	42.4925	7.2000e-004	3.9100e-003	43.6771

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526	0.0000	3,559.8544	3,559.8544	1.1306		3,588.1192
Total	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526	0.0000	3,559.8544	3,559.8544	1.1306		3,588.1192

Pump Station 21 - Yuba County, Winter

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

3.7 Wall and Generator - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3500e-003	0.0606	0.0136	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.4000e-004	2.2800e-003		22.8048	22.8048	7.0000e-005	3.2900e-003	23.7885
Worker	8.9300e-003	6.1400e-003	0.0697	1.9000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		19.6877	19.6877	6.5000e-004	6.2000e-004	19.8886
Total	0.0103	0.0668	0.0833	4.1000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.4000e-004	8.9200e-003		42.4925	42.4925	7.2000e-004	3.9100e-003	43.6771

3.8 Pumps and Piping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365		3,200.7525	3,200.7525	0.9841		3,225.3549
Total	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365		3,200.7525	3,200.7525	0.9841		3,225.3549

Pump Station 21 - Yuba County, Winter

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

3.8 Pumps and Piping - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3500e-003	0.0606	0.0136	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.4000e-004	2.2800e-003		22.8048	22.8048	7.0000e-005	3.2900e-003	23.7885
Worker	8.9300e-003	6.1400e-003	0.0697	1.9000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		19.6877	19.6877	6.5000e-004	6.2000e-004	19.8886
Total	0.0103	0.0668	0.0833	4.1000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.4000e-004	8.9200e-003		42.4925	42.4925	7.2000e-004	3.9100e-003	43.6771

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365	0.0000	3,200.7525	3,200.7525	0.9841		3,225.3548
Total	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365	0.0000	3,200.7525	3,200.7525	0.9841		3,225.3548

Pump Station 21 - Yuba County, Winter

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

3.8 Pumps and Piping - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3500e-003	0.0606	0.0136	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.4000e-004	2.2800e-003		22.8048	22.8048	7.0000e-005	3.2900e-003	23.7885
Worker	8.9300e-003	6.1400e-003	0.0697	1.9000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		19.6877	19.6877	6.5000e-004	6.2000e-004	19.8886
Total	0.0103	0.0668	0.0833	4.1000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.4000e-004	8.9200e-003		42.4925	42.4925	7.2000e-004	3.9100e-003	43.6771

3.9 Final Grading and Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363		2,779.8308	2,779.8308	0.8835		2,801.9183
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363		2,779.8308	2,779.8308	0.8835		2,801.9183

Pump Station 21 - Yuba County, Winter

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

3.9 Final Grading and Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0595	0.0409	0.4645	1.2600e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		131.2514	131.2514	4.3300e-003	4.1300e-003	132.5906
Total	0.0595	0.0409	0.4645	1.2600e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		131.2514	131.2514	4.3300e-003	4.1300e-003	132.5906

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363	0.0000	2,779.8308	2,779.8308	0.8835		2,801.9183
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363	0.0000	2,779.8308	2,779.8308	0.8835		2,801.9183

Pump Station 21 - Yuba County, Winter

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

3.9 Final Grading and Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0595	0.0409	0.4645	1.2600e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		131.2514	131.2514	4.3300e-003	4.1300e-003	132.5906
Total	0.0595	0.0409	0.4645	1.2600e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		131.2514	131.2514	4.3300e-003	4.1300e-003	132.5906

3.10 PG&E Site Painting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.5197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092
Total	11.1311	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092

Pump Station 21 - Yuba County, Winter

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

3.10 PG&E Site Painting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295
Total	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.5197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092
Total	11.1311	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092

Pump Station 21 - Yuba County, Winter

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

3.10 PG&E Site Painting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295
Total	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295

Pump Station 21 - Yuba County, Winter

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	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

Pump Station 21 - Yuba County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated 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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2718	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2500e-003	2.2500e-003	1.0000e-005		2.3900e-003
Unmitigated	0.2718	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2500e-003	2.2500e-003	1.0000e-005		2.3900e-003

Pump Station 21 - Yuba County, Winter

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2196					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2500e-003	2.2500e-003	1.0000e-005		2.3900e-003
Total	0.2718	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2500e-003	2.2500e-003	1.0000e-005		2.3900e-003

Pump Station 21 - Yuba County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2196					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2500e-003	2.2500e-003	1.0000e-005		2.3900e-003
Total	0.2718	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2500e-003	2.2500e-003	1.0000e-005		2.3900e-003

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

Pump Station 21 - Yuba County, Winter

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

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	335	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 (300 - 600 HP)	0.2748	0.7683	0.7009	1.3200e-003		0.0404	0.0404		0.0404	0.0404		140.6186	140.6186	0.0197		141.1115
Total	0.2748	0.7683	0.7009	1.3200e-003		0.0404	0.0404		0.0404	0.0404		140.6186	140.6186	0.0197		141.1115

11.0 Vegetation

Pump Station 21 - Yuba County, Winter

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

Pump Station 21

Yuba County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.26	1000sqft	0.24	10,260.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Combined phases provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

Pump Station 21 - Yuba County, Winter

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

Trips and VMT -

Grading -

Vehicle Trips - Maintenance trips in Pump Station 1

Energy Use - n/a

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	20.00
tblConstructionPhase	NumDays	100.00	20.00
tblConstructionPhase	NumDays	100.00	80.00
tblConstructionPhase	NumDays	2.00	60.00
tblConstructionPhase	NumDays	5.00	20.00
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6550e-003	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.5660e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.4350e-003	0.00

Pump Station 21 - Yuba County, Winter

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00

Pump Station 21 - Yuba County, Winter

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		PG&E Site Painting

Pump Station 21 - Yuba County, Winter

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

tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Grading Rough

Pump Station 21 - Yuba County, Winter

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

tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	7.72	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	200.00	335.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	6.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	1,898,562.50	0.00

2.0 Emissions Summary

Pump Station 21 - Yuba County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.0009	17.5013	15.8483	0.0380	5.0108	0.7499	5.7606	2.3727	0.6915	3.0642	0.0000	3,668.9777	3,668.9777	1.1169	6.2500e-003	3,698.7640
2025	11.1341	10.7118	12.8902	0.0426	0.1889	0.4007	0.5289	0.0501	0.3692	0.3806	0.0000	4,121.6229	4,121.6229	1.3262	4.7500e-003	4,154.8387
Maximum	11.1341	17.5013	15.8483	0.0426	5.0108	0.7499	5.7606	2.3727	0.6915	3.0642	0.0000	4,121.6229	4,121.6229	1.3262	6.2500e-003	4,154.8387

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.0009	17.5013	15.8483	0.0380	5.0108	0.7499	5.7606	2.3727	0.6915	3.0642	0.0000	3,668.9777	3,668.9777	1.1169	6.2500e-003	3,698.7640
2025	11.1341	10.7118	12.8902	0.0426	0.1889	0.4007	0.5289	0.0501	0.3692	0.3806	0.0000	4,121.6229	4,121.6229	1.3262	4.7500e-003	4,154.8387
Maximum	11.1341	17.5013	15.8483	0.0426	5.0108	0.7499	5.7606	2.3727	0.6915	3.0642	0.0000	4,121.6229	4,121.6229	1.3262	6.2500e-003	4,154.8387

Pump Station 21 - Yuba County, Winter

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

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

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	0.2718	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2500e-003	2.2500e-003	1.0000e-005		2.3900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.2748	0.7683	0.7009	1.3200e-003		0.0404	0.0404		0.0404	0.0404		140.6186	140.6186	0.0197		141.1115
Total	0.5467	0.7683	0.7019	1.3200e-003	0.0000	0.0404	0.0404	0.0000	0.0404	0.0404		140.6209	140.6209	0.0197	0.0000	141.1139

Pump Station 21 - Yuba County, Winter

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2718	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2500e-003	2.2500e-003	1.0000e-005		2.3900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.2748	0.7683	0.7009	1.3200e-003		0.0404	0.0404		0.0404	0.0404		140.6186	140.6186	0.0197		141.1115
Total	0.5467	0.7683	0.7019	1.3200e-003	0.0000	0.0404	0.0404	0.0000	0.0404	0.0404		140.6209	140.6209	0.0197	0.0000	141.1139

	ROG	NOx	CO	SO2	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	Grading Rough	Grading	1/1/2024	3/22/2024	5	60	
2	Piping Underground	Trenching	3/23/2024	9/6/2024	5	120	
3	Site Electrical	Trenching	9/7/2024	2/21/2025	5	120	
4	Site Lighting	Trenching	2/22/2025	3/21/2025	5	20	

Pump Station 21 - Yuba County, Winter

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

5	Wet Well Construction	Trenching	3/22/2025	6/13/2025	5	60
6	Wall and Generator	Building Construction	6/14/2025	7/11/2025	5	20
7	Pumps and Piping	Building Construction	7/12/2025	10/31/2025	5	80
8	Final Grading and Paving	Paving	11/1/2025	11/28/2025	5	20
9	PG&E Site Painting	Architectural Coating	11/29/2025	12/26/2025	5	20

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 40.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 12,323; Non-Residential Outdoor: 4,108; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading Rough	Dumpers/Tenders	1	6.00	16	0.38
Grading Rough	Excavators	1	6.00	158	0.38
Grading Rough	Forklifts	1	6.00	89	0.20
Grading Rough	Graders	1	6.00	187	0.41
Grading Rough	Off-Highway Trucks	2	6.00	250	0.38
Grading Rough	Plate Compactors	1	6.00	8	0.43
Grading Rough	Rollers	1	6.00	80	0.38
Grading Rough	Rubber Tired Dozers	1	6.00	247	0.40
Grading Rough	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Piping Underground	Dumpers/Tenders	1	6.00	16	0.38
Piping Underground	Forklifts	1	6.00	89	0.20
Piping Underground	Off-Highway Trucks	2	6.00	250	0.38
Piping Underground	Off-Highway Trucks	1	6.00	402	0.38
Piping Underground	Plate Compactors	1	6.00	8	0.43
Piping Underground	Tractors/Loaders/Backhoes	1	6.00	97	0.37

Pump Station 21 - Yuba County, Winter

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

Site Electrical	Dumpers/Tenders	1	6.00	16	0.38
Site Electrical	Forklifts	1	6.00	89	0.20
Site Electrical	Off-Highway Trucks	1	6.00	250	0.38
Site Electrical	Off-Highway Trucks	1	6.00	402	0.38
Site Electrical	Plate Compactors	1	6.00	8	0.43
Site Electrical	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Lighting	Dumpers/Tenders	1	6.00	16	0.38
Site Lighting	Forklifts	1	6.00	89	0.20
Site Lighting	Off-Highway Trucks	1	6.00	250	0.38
Site Lighting	Off-Highway Trucks	1	6.00	402	0.38
Site Lighting	Plate Compactors	1	6.00	8	0.43
Site Lighting	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wet Well Construction	Cranes	1	1.00	231	0.29
Wet Well Construction	Dumpers/Tenders	1	6.00	16	0.38
Wet Well Construction	Excavators	1	4.00	158	0.38
Wet Well Construction	Forklifts	1	6.00	89	0.20
Wet Well Construction	Off-Highway Trucks	2	6.00	250	0.38
Wet Well Construction	Off-Highway Trucks	1	6.00	402	0.38
Wet Well Construction	Plate Compactors	1	6.00	8	0.43
Wet Well Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wall and Generator	Aerial Lifts	1	8.00	63	0.31
Wall and Generator	Dumpers/Tenders	1	8.00	16	0.38
Wall and Generator	Forklifts	1	8.00	89	0.20
Wall and Generator	Off-Highway Trucks	2	8.00	250	0.38
Wall and Generator	Off-Highway Trucks	1	8.00	402	0.38
Wall and Generator	Plate Compactors	1	8.00	8	0.43
Wall and Generator	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pumps and Piping	Aerial Lifts	1	6.00	63	0.31
Pumps and Piping	Dumpers/Tenders	1	6.00	16	0.38

Pump Station 21 - Yuba County, Winter

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

Pumps and Piping	Excavators	1	6.00	158	0.38
Pumps and Piping	Forklifts	1	6.00	89	0.20
Pumps and Piping	Off-Highway Trucks	2	6.00	250	0.38
Pumps and Piping	Off-Highway Trucks	1	6.00	402	0.38
Pumps and Piping	Plate Compactors	1	6.00	8	0.43
Pumps and Piping	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Pumps and Piping	Welders	1	6.00	46	0.45
Final Grading and Paving	Dumpers/Tenders	1	6.00	16	0.38
Final Grading and Paving	Forklifts	1	6.00	89	0.20
Final Grading and Paving	Graders	1	6.00	187	0.41
Final Grading and Paving	Off-Highway Trucks	1	6.00	250	0.38
Final Grading and Paving	Off-Highway Trucks	1	6.00	402	0.38
Final Grading and Paving	Pavers	1	6.00	130	0.42
Final Grading and Paving	Plate Compactors	1	6.00	8	0.43
Final Grading and Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
PG&E Site Painting	Aerial Lifts	2	6.00	63	0.31
PG&E Site Painting	Dumpers/Tenders	1	3.00	16	0.38
PG&E Site Painting	Forklifts	1	6.00	89	0.20
PG&E Site Painting	Off-Highway Trucks	4	8.00	250	0.38
PG&E Site Painting	Off-Highway Trucks	1	3.00	402	0.38
PG&E Site Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading Rough	11	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Piping Underground	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Electrical	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Pump Station 21 - Yuba County, Winter

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

Site Lighting	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wet Well Construction	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wall and Generator	8	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Pumps and Piping	10	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading and Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PG&E Site Painting	10	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading Rough - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.7808	0.0000	4.7808	2.3117	0.0000	2.3117			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905		3,480.669 3	3,480.669 3	1.1102		3,508.423 4
Total	1.9112	17.4364	15.1455	0.0361	4.7808	0.7488	5.5295	2.3117	0.6905	3.0022		3,480.669 3	3,480.669 3	1.1102		3,508.423 4

Pump Station 21 - Yuba County, Winter

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

3.2 Grading Rough - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406
Total	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.7808	0.0000	4.7808	2.3117	0.0000	2.3117			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234
Total	1.9112	17.4364	15.1455	0.0361	4.7808	0.7488	5.5295	2.3117	0.6905	3.0022	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234

Pump Station 21 - Yuba County, Winter

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

3.2 Grading Rough - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406
Total	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406

3.3 Piping Underground - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969

Pump Station 21 - Yuba County, Winter

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

3.3 Piping Underground - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618
Total	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969

Pump Station 21 - Yuba County, Winter

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

3.3 Piping Underground - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618
Total	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618

3.4 Site Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271

Pump Station 21 - Yuba County, Winter

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

3.4 Site Electrical - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682
Total	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271

Pump Station 21 - Yuba County, Winter

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

3.4 Site Electrical - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682
Total	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682

3.4 Site Electrical - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 21 - Yuba County, Winter

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

3.4 Site Electrical - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429
Total	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 21 - Yuba County, Winter

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

3.4 Site Electrical - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429
Total	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429

3.5 Site Lighting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 21 - Yuba County, Winter

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

3.5 Site Lighting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429
Total	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 21 - Yuba County, Winter

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

3.5 Site Lighting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429
Total	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429

3.6 Wet Well Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014		2,867.9482	2,867.9482	0.9120		2,890.7481
Total	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014		2,867.9482	2,867.9482	0.9120		2,890.7481

Pump Station 21 - Yuba County, Winter

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

3.6 Wet Well Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0685	0.0471	0.5341	1.4500e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		150.9391	150.9391	4.9800e-003	4.7500e-003	152.4792
Total	0.0685	0.0471	0.5341	1.4500e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		150.9391	150.9391	4.9800e-003	4.7500e-003	152.4792

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014	0.0000	2,867.9482	2,867.9482	0.9120		2,890.7481
Total	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014	0.0000	2,867.9482	2,867.9482	0.9120		2,890.7481

Pump Station 21 - Yuba County, Winter

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

3.6 Wet Well Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0685	0.0471	0.5341	1.4500e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		150.9391	150.9391	4.9800e-003	4.7500e-003	152.4792
Total	0.0685	0.0471	0.5341	1.4500e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		150.9391	150.9391	4.9800e-003	4.7500e-003	152.4792

3.7 Wall and Generator - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526		3,559.8544	3,559.8544	1.1306		3,588.1192
Total	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526		3,559.8544	3,559.8544	1.1306		3,588.1192

Pump Station 21 - Yuba County, Winter

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

3.7 Wall and Generator - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3500e-003	0.0606	0.0136	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.4000e-004	2.2800e-003		22.8048	22.8048	7.0000e-005	3.2900e-003	23.7885
Worker	8.9300e-003	6.1400e-003	0.0697	1.9000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		19.6877	19.6877	6.5000e-004	6.2000e-004	19.8886
Total	0.0103	0.0668	0.0833	4.1000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.4000e-004	8.9200e-003		42.4925	42.4925	7.2000e-004	3.9100e-003	43.6771

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526	0.0000	3,559.8544	3,559.8544	1.1306		3,588.1192
Total	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526	0.0000	3,559.8544	3,559.8544	1.1306		3,588.1192

Pump Station 21 - Yuba County, Winter

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

3.7 Wall and Generator - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3500e-003	0.0606	0.0136	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.4000e-004	2.2800e-003		22.8048	22.8048	7.0000e-005	3.2900e-003	23.7885
Worker	8.9300e-003	6.1400e-003	0.0697	1.9000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		19.6877	19.6877	6.5000e-004	6.2000e-004	19.8886
Total	0.0103	0.0668	0.0833	4.1000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.4000e-004	8.9200e-003		42.4925	42.4925	7.2000e-004	3.9100e-003	43.6771

3.8 Pumps and Piping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365		3,200.7525	3,200.7525	0.9841		3,225.3549
Total	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365		3,200.7525	3,200.7525	0.9841		3,225.3549

Pump Station 21 - Yuba County, Winter

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

3.8 Pumps and Piping - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3500e-003	0.0606	0.0136	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.4000e-004	2.2800e-003		22.8048	22.8048	7.0000e-005	3.2900e-003	23.7885
Worker	8.9300e-003	6.1400e-003	0.0697	1.9000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		19.6877	19.6877	6.5000e-004	6.2000e-004	19.8886
Total	0.0103	0.0668	0.0833	4.1000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.4000e-004	8.9200e-003		42.4925	42.4925	7.2000e-004	3.9100e-003	43.6771

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365	0.0000	3,200.7525	3,200.7525	0.9841		3,225.3548
Total	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365	0.0000	3,200.7525	3,200.7525	0.9841		3,225.3548

Pump Station 21 - Yuba County, Winter

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

3.8 Pumps and Piping - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3500e-003	0.0606	0.0136	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.4000e-004	2.2800e-003		22.8048	22.8048	7.0000e-005	3.2900e-003	23.7885
Worker	8.9300e-003	6.1400e-003	0.0697	1.9000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		19.6877	19.6877	6.5000e-004	6.2000e-004	19.8886
Total	0.0103	0.0668	0.0833	4.1000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.4000e-004	8.9200e-003		42.4925	42.4925	7.2000e-004	3.9100e-003	43.6771

3.9 Final Grading and Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363		2,779.8308	2,779.8308	0.8835		2,801.9183
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363		2,779.8308	2,779.8308	0.8835		2,801.9183

Pump Station 21 - Yuba County, Winter

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

3.9 Final Grading and Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0595	0.0409	0.4645	1.2600e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		131.2514	131.2514	4.3300e-003	4.1300e-003	132.5906
Total	0.0595	0.0409	0.4645	1.2600e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		131.2514	131.2514	4.3300e-003	4.1300e-003	132.5906

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363	0.0000	2,779.8308	2,779.8308	0.8835		2,801.9183
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363	0.0000	2,779.8308	2,779.8308	0.8835		2,801.9183

Pump Station 21 - Yuba County, Winter

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

3.9 Final Grading and Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0595	0.0409	0.4645	1.2600e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		131.2514	131.2514	4.3300e-003	4.1300e-003	132.5906
Total	0.0595	0.0409	0.4645	1.2600e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		131.2514	131.2514	4.3300e-003	4.1300e-003	132.5906

3.10 PG&E Site Painting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.5197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092
Total	11.1311	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092

Pump Station 21 - Yuba County, Winter

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

3.10 PG&E Site Painting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295
Total	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.5197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092
Total	11.1311	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092

Pump Station 21 - Yuba County, Winter

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

3.10 PG&E Site Painting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295
Total	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295

Pump Station 21 - Yuba County, Winter

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	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

Pump Station 21 - Yuba County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated 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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2718	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2500e-003	2.2500e-003	1.0000e-005		2.3900e-003
Unmitigated	0.2718	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2500e-003	2.2500e-003	1.0000e-005		2.3900e-003

Pump Station 21 - Yuba County, Winter

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2196					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2500e-003	2.2500e-003	1.0000e-005		2.3900e-003
Total	0.2718	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2500e-003	2.2500e-003	1.0000e-005		2.3900e-003

Pump Station 21 - Yuba County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2196					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2500e-003	2.2500e-003	1.0000e-005		2.3900e-003
Total	0.2718	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2500e-003	2.2500e-003	1.0000e-005		2.3900e-003

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

Pump Station 21 - Yuba County, Winter

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

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	335	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 (300 - 600 HP)	0.2748	0.7683	0.7009	1.3200e-003		0.0404	0.0404		0.0404	0.0404		140.6186	140.6186	0.0197		141.1115
Total	0.2748	0.7683	0.7009	1.3200e-003		0.0404	0.0404		0.0404	0.0404		140.6186	140.6186	0.0197		141.1115

11.0 Vegetation

Pump Station 26 - Yuba County, Annual

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

**Pump Station 26
Yuba County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	20.40	1000sqft	0.47	20,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Combined phases provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

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

Trips and VMT -

Grading -

Vehicle Trips - Maintenance trips in Pump Station 1

Energy Use - n/a

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	20.00
tblConstructionPhase	NumDays	100.00	20.00
tblConstructionPhase	NumDays	100.00	80.00
tblConstructionPhase	NumDays	2.00	60.00
tblConstructionPhase	NumDays	5.00	20.00
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6550e-003	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.5660e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.4350e-003	0.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		PG&E Site Painting

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

tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Grading Rough

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

tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	7.72	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	200.00	335.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	6.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	1,898,562.50	0.00

2.0 Emissions Summary

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.1704	1.2855	1.3087	3.6800e-003	0.1634	0.0536	0.2169	0.0747	0.0495	0.1241	0.0000	322.1472	322.1472	0.0977	4.8000e-004	324.7319
2025	0.2581	1.0965	1.3987	4.0200e-003	0.0120	0.0423	0.0543	3.2000e-003	0.0392	0.0424	0.0000	350.6689	350.6689	0.1074	4.1000e-004	353.4740
Maximum	0.2581	1.2855	1.3987	4.0200e-003	0.1634	0.0536	0.2169	0.0747	0.0495	0.1241	0.0000	350.6689	350.6689	0.1074	4.8000e-004	353.4740

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.1704	1.2855	1.3087	3.6800e-003	0.1634	0.0536	0.2169	0.0747	0.0495	0.1241	0.0000	322.1468	322.1468	0.0977	4.8000e-004	324.7315
2025	0.2581	1.0965	1.3987	4.0200e-003	0.0120	0.0423	0.0543	3.2000e-003	0.0392	0.0424	0.0000	350.6685	350.6685	0.1074	4.1000e-004	353.4736
Maximum	0.2581	1.2855	1.3987	4.0200e-003	0.1634	0.0536	0.2169	0.0747	0.0495	0.1241	0.0000	350.6685	350.6685	0.1074	4.8000e-004	353.4736

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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)
1	1-1-2024	3-31-2024	0.6015	0.6015
2	4-1-2024	6-30-2024	0.3065	0.3065
3	7-1-2024	9-30-2024	0.2930	0.2930
4	10-1-2024	12-31-2024	0.2451	0.2451
5	1-1-2025	3-31-2025	0.2234	0.2234
6	4-1-2025	6-30-2025	0.3202	0.3202
7	7-1-2025	9-30-2025	0.3612	0.3612
		Highest	0.6015	0.6015

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0892	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.9000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	1.6500e-003	4.6100e-003	4.2100e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.7654	0.7654	1.1000e-004	0.0000	0.7681
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	0.0909	4.6100e-003	4.4000e-003	1.0000e-005	0.0000	2.4000e-004	2.4000e-004	0.0000	2.4000e-004	2.4000e-004	0.0000	0.7658	0.7658	1.1000e-004	0.0000	0.7685

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0892	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.9000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	1.6500e-003	4.6100e-003	4.2100e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.7654	0.7654	1.1000e-004	0.0000	0.7681
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	0.0909	4.6100e-003	4.4000e-003	1.0000e-005	0.0000	2.4000e-004	2.4000e-004	0.0000	2.4000e-004	2.4000e-004	0.0000	0.7658	0.7658	1.1000e-004	0.0000	0.7685

	ROG	NOx	CO	SO2	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	Grading Rough	Grading	1/1/2024	3/22/2024	5	60	
2	Piping Underground	Trenching	3/23/2024	9/6/2024	5	120	

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

3	Site Electrical	Trenching	9/7/2024	2/21/2025	5	120
4	Site Lighting	Trenching	2/22/2025	3/21/2025	5	20
5	Wet Well Construction	Trenching	3/22/2025	6/13/2025	5	60
6	Wall and Generator	Building Construction	6/14/2025	7/11/2025	5	20
7	Pumps and Piping	Building Construction	7/12/2025	10/31/2025	5	80
8	Final Grading and Paving	Paving	11/11/2025	11/28/2025	5	20
9	P&E Site Painting	Architectural Coating	11/29/2025	12/26/2025	5	20

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 40.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 12,323; Non-Residential Indoor: 4,108; Striped Parking Area: 0
 (Architectural Coating – sqft)

Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading Rough	Dumpers/Tenders	1	6.00	16	0.38
Grading Rough	Excavators	1	6.00	158	0.38
Grading Rough	Forklifts	1	6.00	89	0.20
Grading Rough	Graders	1	6.00	187	0.41
Grading Rough	Off-Highway Trucks	2	6.00	250	0.38
Grading Rough	Plate Compactors	1	6.00	8	0.43
Grading Rough	Rollers	1	6.00	80	0.38
Grading Rough	Rubber Tired Dozers	1	6.00	247	0.40
Grading Rough	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Piping Underground	Dumpers/Tenders	1	6.00	16	0.38
Piping Underground	Forklifts	1	6.00	89	0.20
Piping Underground	Off-Highway Trucks	2	6.00	250	0.38
Piping Underground	Off-Highway Trucks	1	6.00	402	0.38

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

Piping Underground	Plate Compactors	1	6.00	8	0.43
Piping Underground	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Electrical	Dumpers/Tenders	1	6.00	16	0.38
Site Electrical	Forklifts	1	6.00	89	0.20
Site Electrical	Off-Highway Trucks	1	6.00	250	0.38
Site Electrical	Off-Highway Trucks	1	6.00	402	0.38
Site Electrical	Plate Compactors	1	6.00	8	0.43
Site Electrical	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Lighting	Dumpers/Tenders	1	6.00	16	0.38
Site Lighting	Forklifts	1	6.00	89	0.20
Site Lighting	Off-Highway Trucks	1	6.00	250	0.38
Site Lighting	Off-Highway Trucks	1	6.00	402	0.38
Site Lighting	Plate Compactors	1	6.00	8	0.43
Site Lighting	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wet Well Construction	Cranes	1	1.00	231	0.29
Wet Well Construction	Dumpers/Tenders	1	6.00	16	0.38
Wet Well Construction	Excavators	1	4.00	158	0.38
Wet Well Construction	Forklifts	1	6.00	89	0.20
Wet Well Construction	Off-Highway Trucks	2	6.00	250	0.38
Wet Well Construction	Off-Highway Trucks	1	6.00	402	0.38
Wet Well Construction	Plate Compactors	1	6.00	8	0.43
Wet Well Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wall and Generator	Aerial Lifts	1	8.00	63	0.31
Wall and Generator	Dumpers/Tenders	1	8.00	16	0.38
Wall and Generator	Forklifts	1	8.00	89	0.20
Wall and Generator	Off-Highway Trucks	2	8.00	250	0.38
Wall and Generator	Off-Highway Trucks	1	8.00	402	0.38
Wall and Generator	Plate Compactors	1	8.00	8	0.43
Wall and Generator	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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

Pumps and Piping	Aerial Lifts	1	6.00	63	0.31
Pumps and Piping	Dumpers/Tenders	1	6.00	16	0.38
Pumps and Piping	Excavators	1	6.00	158	0.38
Pumps and Piping	Forklifts	1	6.00	89	0.20
Pumps and Piping	Off-Highway Trucks	2	6.00	250	0.38
Pumps and Piping	Off-Highway Trucks	1	6.00	402	0.38
Pumps and Piping	Plate Compactors	1	6.00	8	0.43
Pumps and Piping	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Pumps and Piping	Welders	1	6.00	46	0.45
Final Grading and Paving	Dumpers/Tenders	1	6.00	16	0.38
Final Grading and Paving	Forklifts	1	6.00	89	0.20
Final Grading and Paving	Graders	1	6.00	187	0.41
Final Grading and Paving	Off-Highway Trucks	1	6.00	250	0.38
Final Grading and Paving	Off-Highway Trucks	1	6.00	402	0.38
Final Grading and Paving	Pavers	1	6.00	130	0.42
Final Grading and Paving	Plate Compactors	1	6.00	8	0.43
Final Grading and Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
PG&E Site Painting	Aerial Lifts	2	6.00	63	0.31
PG&E Site Painting	Dumpers/Tenders	1	3.00	16	0.38
PG&E Site Painting	Forklifts	1	6.00	89	0.20
PG&E Site Painting	Off-Highway Trucks	4	8.00	250	0.38
PG&E Site Painting	Off-Highway Trucks	1	3.00	402	0.38
PG&E Site Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading Rough	11	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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

Piping Underground	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Electrical	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Lighting	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wet Well Construction	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wall and Generator	8	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Pumps and Piping	10	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading and Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PG&E Site Painting	10	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading Rough - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1434	0.0000	0.1434	0.0694	0.0000	0.0694	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0573	0.5231	0.4544	1.0800e-003		0.0225	0.0225		0.0207	0.0207	0.0000	94.7283	94.7283	0.0302	0.0000	95.4837
Total	0.0573	0.5231	0.4544	1.0800e-003	0.1434	0.0225	0.1659	0.0694	0.0207	0.0901	0.0000	94.7283	94.7283	0.0302	0.0000	95.4837

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3.2 Grading Rough - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6100e-003	1.7400e-003	0.0208	6.0000e-005	6.6000e-003	3.0000e-005	6.6400e-003	1.7600e-003	3.0000e-005	1.7900e-003	0.0000	5.2575	5.2575	1.7000e-004	1.6000e-004	5.3087
Total	2.6100e-003	1.7400e-003	0.0208	6.0000e-005	6.6000e-003	3.0000e-005	6.6400e-003	1.7600e-003	3.0000e-005	1.7900e-003	0.0000	5.2575	5.2575	1.7000e-004	1.6000e-004	5.3087

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1434	0.0000	0.1434	0.0694	0.0000	0.0694	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0573	0.5231	0.4544	1.0800e-003		0.0225	0.0225		0.0207	0.0207	0.0000	94.7282	94.7282	0.0302	0.0000	95.4835
Total	0.0573	0.5231	0.4544	1.0800e-003	0.1434	0.0225	0.1659	0.0694	0.0207	0.0901	0.0000	94.7282	94.7282	0.0302	0.0000	95.4835

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3.2 Grading Rough - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6100e-003	1.7400e-003	0.0208	6.0000e-005	6.6000e-003	3.0000e-005	6.6400e-003	1.7600e-003	3.0000e-005	1.7900e-003	0.0000	5.2575	5.2575	1.7000e-004	1.6000e-004	5.3087
Total	2.6100e-003	1.7400e-003	0.0208	6.0000e-005	6.6000e-003	3.0000e-005	6.6400e-003	1.7600e-003	3.0000e-005	1.7900e-003	0.0000	5.2575	5.2575	1.7000e-004	1.6000e-004	5.3087

3.3 Piping Underground - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0687	0.4913	0.5088	1.5900e-003		0.0201	0.0201		0.0186	0.0186	0.0000	138.7003	138.7003	0.0440	0.0000	139.8006
Total	0.0687	0.4913	0.5088	1.5900e-003		0.0201	0.0201		0.0186	0.0186	0.0000	138.7003	138.7003	0.0440	0.0000	139.8006

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3.3 Piping Underground - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3500e-003	2.2400e-003	0.0268	7.0000e-005	8.4900e-003	4.0000e-005	8.5300e-003	2.2600e-003	4.0000e-005	2.3000e-003	0.0000	6.7596	6.7596	2.2000e-004	2.0000e-004	6.8254
Total	3.3500e-003	2.2400e-003	0.0268	7.0000e-005	8.4900e-003	4.0000e-005	8.5300e-003	2.2600e-003	4.0000e-005	2.3000e-003	0.0000	6.7596	6.7596	2.2000e-004	2.0000e-004	6.8254

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0687	0.4913	0.5088	1.5900e-003		0.0201	0.0201		0.0186	0.0186	0.0000	138.7002	138.7002	0.0440	0.0000	139.8005
Total	0.0687	0.4913	0.5088	1.5900e-003		0.0201	0.0201		0.0186	0.0186	0.0000	138.7002	138.7002	0.0440	0.0000	139.8005

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3.3 Piping Underground - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3500e-003	2.2400e-003	0.0268	7.0000e-005	8.4900e-003	4.0000e-005	8.5300e-003	2.2600e-003	4.0000e-005	2.3000e-003	0.0000	6.7596	6.7596	2.2000e-004	2.0000e-004	6.8254
Total	3.3500e-003	2.2400e-003	0.0268	7.0000e-005	8.4900e-003	4.0000e-005	8.5300e-003	2.2600e-003	4.0000e-005	2.3000e-003	0.0000	6.7596	6.7596	2.2000e-004	2.0000e-004	6.8254

3.4 Site Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0365	0.2659	0.2828	8.4000e-004		0.0109	0.0109		0.0101	0.0101	0.0000	72.8522	72.8522	0.0230	0.0000	73.4268
Total	0.0365	0.2659	0.2828	8.4000e-004		0.0109	0.0109		0.0101	0.0101	0.0000	72.8522	72.8522	0.0230	0.0000	73.4268

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3.4 Site Electrical - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9100e-003	1.2700e-003	0.0152	4.0000e-005	4.8400e-003	2.0000e-005	4.8600e-003	1.2900e-003	2.0000e-005	1.3100e-003	0.0000	3.8492	3.8492	1.2000e-004	1.2000e-004	3.8867
Total	1.9100e-003	1.2700e-003	0.0152	4.0000e-005	4.8400e-003	2.0000e-005	4.8600e-003	1.2900e-003	2.0000e-005	1.3100e-003	0.0000	3.8492	3.8492	1.2000e-004	1.2000e-004	3.8867

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0365	0.2659	0.2828	8.4000e-004		0.0109	0.0109		0.0101	0.0101	0.0000	72.8522	72.8522	0.0230	0.0000	73.4267
Total	0.0365	0.2659	0.2828	8.4000e-004		0.0109	0.0109		0.0101	0.0101	0.0000	72.8522	72.8522	0.0230	0.0000	73.4267

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3.4 Site Electrical - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9100e-003	1.2700e-003	0.0152	4.0000e-005	4.8400e-003	2.0000e-005	4.8600e-003	1.2900e-003	2.0000e-005	1.3100e-003	0.0000	3.8492	3.8492	1.2000e-004	1.2000e-004	3.8867
Total	1.9100e-003	1.2700e-003	0.0152	4.0000e-005	4.8400e-003	2.0000e-005	4.8600e-003	1.2900e-003	2.0000e-005	1.3100e-003	0.0000	3.8492	3.8492	1.2000e-004	1.2000e-004	3.8867

3.4 Site Electrical - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0160	0.1087	0.1289	3.9000e-004		4.2700e-003	4.2700e-003		3.9600e-003	3.9600e-003	0.0000	33.7561	33.7561	0.0107	0.0000	34.0223
Total	0.0160	0.1087	0.1289	3.9000e-004		4.2700e-003	4.2700e-003		3.9600e-003	3.9600e-003	0.0000	33.7561	33.7561	0.0107	0.0000	34.0223

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3.4 Site Electrical - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.2000e-004	5.2000e-004	6.5200e-003	2.0000e-005	2.2400e-003	1.0000e-005	2.2500e-003	6.0000e-004	1.0000e-005	6.1000e-004	0.0000	1.7405	1.7405	5.0000e-005	5.0000e-005	1.7565
Total	8.2000e-004	5.2000e-004	6.5200e-003	2.0000e-005	2.2400e-003	1.0000e-005	2.2500e-003	6.0000e-004	1.0000e-005	6.1000e-004	0.0000	1.7405	1.7405	5.0000e-005	5.0000e-005	1.7565

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0160	0.1087	0.1289	3.9000e-004		4.2700e-003	4.2700e-003		3.9600e-003	3.9600e-003	0.0000	33.7561	33.7561	0.0107	0.0000	34.0223
Total	0.0160	0.1087	0.1289	3.9000e-004		4.2700e-003	4.2700e-003		3.9600e-003	3.9600e-003	0.0000	33.7561	33.7561	0.0107	0.0000	34.0223

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3.4 Site Electrical - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.2000e-004	5.2000e-004	6.5200e-003	2.0000e-005	2.2400e-003	1.0000e-005	2.2500e-003	6.0000e-004	1.0000e-005	6.1000e-004	0.0000	1.7405	1.7405	5.0000e-005	5.0000e-005	1.7565
Total	8.2000e-004	5.2000e-004	6.5200e-003	2.0000e-005	2.2400e-003	1.0000e-005	2.2500e-003	6.0000e-004	1.0000e-005	6.1000e-004	0.0000	1.7405	1.7405	5.0000e-005	5.0000e-005	1.7565

3.5 Site Lighting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.4000e-003	0.0572	0.0678	2.0000e-004		2.2500e-003	2.2500e-003		2.0800e-003	2.0800e-003	0.0000	17.7664	17.7664	5.6000e-003	0.0000	17.9065
Total	8.4000e-003	0.0572	0.0678	2.0000e-004		2.2500e-003	2.2500e-003		2.0800e-003	2.0800e-003	0.0000	17.7664	17.7664	5.6000e-003	0.0000	17.9065

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3.5 Site Lighting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.7000e-004	3.4300e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9161	0.9161	3.0000e-005	3.0000e-005	0.9245
Total	4.3000e-004	2.7000e-004	3.4300e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9161	0.9161	3.0000e-005	3.0000e-005	0.9245

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.4000e-003	0.0572	0.0678	2.0000e-004		2.2500e-003	2.2500e-003		2.0800e-003	2.0800e-003	0.0000	17.7663	17.7663	5.6000e-003	0.0000	17.9065
Total	8.4000e-003	0.0572	0.0678	2.0000e-004		2.2500e-003	2.2500e-003		2.0800e-003	2.0800e-003	0.0000	17.7663	17.7663	5.6000e-003	0.0000	17.9065

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3.5 Site Lighting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.7000e-004	3.4300e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9161	0.9161	3.0000e-005	3.0000e-005	0.9245
Total	4.3000e-004	2.7000e-004	3.4300e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9161	0.9161	3.0000e-005	3.0000e-005	0.9245

3.6 Wet Well Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0359	0.2444	0.3046	8.9000e-004		9.7700e-003	9.7700e-003		9.0400e-003	9.0400e-003	0.0000	78.0528	78.0528	0.0248	0.0000	78.6733
Total	0.0359	0.2444	0.3046	8.9000e-004		9.7700e-003	9.7700e-003		9.0400e-003	9.0400e-003	0.0000	78.0528	78.0528	0.0248	0.0000	78.6733

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3.6 Wet Well Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9900e-003	1.2600e-003	0.0158	4.0000e-005	5.4300e-003	3.0000e-005	5.4500e-003	1.4400e-003	2.0000e-005	1.4700e-003	0.0000	4.2139	4.2139	1.2000e-004	1.2000e-004	4.2526
Total	1.9900e-003	1.2600e-003	0.0158	4.0000e-005	5.4300e-003	3.0000e-005	5.4500e-003	1.4400e-003	2.0000e-005	1.4700e-003	0.0000	4.2139	4.2139	1.2000e-004	1.2000e-004	4.2526

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0359	0.2444	0.3046	8.9000e-004		9.7700e-003	9.7700e-003		9.0400e-003	9.0400e-003	0.0000	78.0527	78.0527	0.0248	0.0000	78.6732
Total	0.0359	0.2444	0.3046	8.9000e-004		9.7700e-003	9.7700e-003		9.0400e-003	9.0400e-003	0.0000	78.0527	78.0527	0.0248	0.0000	78.6732

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3.6 Wet Well Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9900e-003	1.2600e-003	0.0158	4.0000e-005	5.4300e-003	3.0000e-005	5.4500e-003	1.4400e-003	2.0000e-005	1.4700e-003	0.0000	4.2139	4.2139	1.2000e-004	1.2000e-004	4.2526
Total	1.9900e-003	1.2600e-003	0.0158	4.0000e-005	5.4300e-003	3.0000e-005	5.4500e-003	1.4400e-003	2.0000e-005	1.4700e-003	0.0000	4.2139	4.2139	1.2000e-004	1.2000e-004	4.2526

3.7 Wall and Generator - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0146	0.1004	0.1217	3.7000e-004		3.8100e-003	3.8100e-003		3.5300e-003	3.5300e-003	0.0000	32.2945	32.2945	0.0103	0.0000	32.5509
Total	0.0146	0.1004	0.1217	3.7000e-004		3.8100e-003	3.8100e-003		3.5300e-003	3.5300e-003	0.0000	32.2945	32.2945	0.0103	0.0000	32.5509

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3.7 Wall and Generator - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	5.9000e-004	1.3000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2068	0.2068	0.0000	3.0000e-005	0.2157
Worker	9.0000e-005	5.0000e-005	6.9000e-004	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1832	0.1832	1.0000e-005	1.0000e-005	0.1849
Total	1.0000e-004	6.4000e-004	8.2000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.3900	0.3900	1.0000e-005	4.0000e-005	0.4006

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0146	0.1004	0.1217	3.7000e-004		3.8100e-003	3.8100e-003		3.5300e-003	3.5300e-003	0.0000	32.2944	32.2944	0.0103	0.0000	32.5508
Total	0.0146	0.1004	0.1217	3.7000e-004		3.8100e-003	3.8100e-003		3.5300e-003	3.5300e-003	0.0000	32.2944	32.2944	0.0103	0.0000	32.5508

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3.7 Wall and Generator - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	5.9000e-004	1.3000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2068	0.2068	0.0000	3.0000e-005	0.2157
Worker	9.0000e-005	5.0000e-005	6.9000e-004	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1832	0.1832	1.0000e-005	1.0000e-005	0.1849
Total	1.0000e-004	6.4000e-004	8.2000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.3900	0.3900	1.0000e-005	4.0000e-005	0.4006

3.8 Pumps and Piping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0555	0.3781	0.5123	1.3400e-003		0.0145	0.0145		0.0135	0.0135	0.0000	116.1470	116.1470	0.0357	0.0000	117.0397
Total	0.0555	0.3781	0.5123	1.3400e-003		0.0145	0.0145		0.0135	0.0135	0.0000	116.1470	116.1470	0.0357	0.0000	117.0397

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3.8 Pumps and Piping - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	2.3700e-003	5.3000e-004	1.0000e-005	2.6000e-004	1.0000e-005	2.7000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	0.8271	0.8271	0.0000	1.2000e-004	0.8628
Worker	3.5000e-004	2.2000e-004	2.7400e-003	1.0000e-005	9.4000e-004	0.0000	9.5000e-004	2.5000e-004	0.0000	2.6000e-004	0.0000	0.7328	0.7328	2.0000e-005	2.0000e-005	0.7396
Total	4.0000e-004	2.5900e-003	3.2700e-003	2.0000e-005	1.2000e-003	1.0000e-005	1.2200e-003	3.3000e-004	1.0000e-005	3.5000e-004	0.0000	1.5600	1.5600	2.0000e-005	1.4000e-004	1.6024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0555	0.3781	0.5123	1.3400e-003		0.0145	0.0145		0.0135	0.0135	0.0000	116.1468	116.1468	0.0357	0.0000	117.0396
Total	0.0555	0.3781	0.5123	1.3400e-003		0.0145	0.0145		0.0135	0.0135	0.0000	116.1468	116.1468	0.0357	0.0000	117.0396

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3.8 Pumps and Piping - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	2.3700e-003	5.3000e-004	1.0000e-005	2.6000e-004	1.0000e-005	2.7000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	0.8271	0.8271	0.0000	1.2000e-004	0.8628
Worker	3.5000e-004	2.2000e-004	2.7400e-003	1.0000e-005	9.4000e-004	0.0000	9.5000e-004	2.5000e-004	0.0000	2.6000e-004	0.0000	0.7328	0.7328	2.0000e-005	2.0000e-005	0.7396
Total	4.0000e-004	2.5900e-003	3.2700e-003	2.0000e-005	1.2000e-003	1.0000e-005	1.2200e-003	3.3000e-004	1.0000e-005	3.5000e-004	0.0000	1.5600	1.5600	2.0000e-005	1.4000e-004	1.6024

3.9 Final Grading and Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0120	0.0950	0.1015	2.9000e-004		3.6400e-003	3.6400e-003		3.3600e-003	3.3600e-003	0.0000	25.2182	25.2182	8.0100e-003	0.0000	25.4186
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0120	0.0950	0.1015	2.9000e-004		3.6400e-003	3.6400e-003		3.3600e-003	3.3600e-003	0.0000	25.2182	25.2182	8.0100e-003	0.0000	25.4186

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3.9 Final Grading and Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.8000e-004	3.7000e-004	4.5700e-003	1.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.2214	1.2214	4.0000e-005	3.0000e-005	1.2327
Total	5.8000e-004	3.7000e-004	4.5700e-003	1.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.2214	1.2214	4.0000e-005	3.0000e-005	1.2327

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0120	0.0950	0.1015	2.9000e-004		3.6400e-003	3.6400e-003		3.3600e-003	3.3600e-003	0.0000	25.2182	25.2182	8.0100e-003	0.0000	25.4185
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0120	0.0950	0.1015	2.9000e-004		3.6400e-003	3.6400e-003		3.3600e-003	3.3600e-003	0.0000	25.2182	25.2182	8.0100e-003	0.0000	25.4185

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3.9 Final Grading and Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.8000e-004	3.7000e-004	4.5700e-003	1.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.2214	1.2214	4.0000e-005	3.0000e-005	1.2327
Total	5.8000e-004	3.7000e-004	4.5700e-003	1.0000e-005	1.5700e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.2214	1.2214	4.0000e-005	3.0000e-005	1.2327

3.10 PG&E Site Painting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0952					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0161	0.1071	0.1274	4.3000e-004		4.0100e-003	4.0100e-003		3.6900e-003	3.6900e-003	0.0000	37.3312	37.3312	0.0120	0.0000	37.6319
Total	0.1113	0.1071	0.1274	4.3000e-004		4.0100e-003	4.0100e-003		3.6900e-003	3.6900e-003	0.0000	37.3312	37.3312	0.0120	0.0000	37.6319

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3.10 PG&E Site Painting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0611	0.0611	0.0000	0.0000	0.0616
Total	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0611	0.0611	0.0000	0.0000	0.0616

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0952					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0161	0.1071	0.1274	4.3000e-004		4.0100e-003	4.0100e-003		3.6900e-003	3.6900e-003	0.0000	37.3312	37.3312	0.0120	0.0000	37.6319
Total	0.1113	0.1071	0.1274	4.3000e-004		4.0100e-003	4.0100e-003		3.6900e-003	3.6900e-003	0.0000	37.3312	37.3312	0.0120	0.0000	37.6319

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3.10 PG&E Site Painting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000
Worker	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0611	0.0611	0.0000	0.0000	0.0616	0.0616
Total	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0611	0.0611	0.0000	0.0000	0.0616	0.0616

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5.3 Energy by Land Use - Electricity

Unmitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000

Mitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Pump Station 26 - Yuba County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0892	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.9000e-004
Unmitigated	0.0892	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.9000e-004

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	9.5200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0797					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.9000e-004
Total	0.0892	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.9000e-004

Pump Station 26 - Yuba County, Annual

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	9.5200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0797					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.9000e-004
Total	0.0892	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.9000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

Pump Station 26 - Yuba County, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	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			
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Pump Station 26 - Yuba County, Annual

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated 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

Pump Station 26 - Yuba County, Annual

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

8.2 Waste by Land Use

Unmitigated

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

Mitigated

Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr		
Unrefrigerated Warehouse-No Hall	0	0.0000	0.0000	0.0000
Total		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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Pump Station 26 - Yuba County, Annual

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	335	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

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 (300 - 600 HP)	1.6500e-003	4.6100e-003	4.2100e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.7654	0.7654	1.1000e-004	0.0000	0.7681
Total	1.6500e-003	4.6100e-003	4.2100e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.7654	0.7654	1.1000e-004	0.0000	0.7681

11.0 Vegetation

Pump Station 26 - Yuba County, Summer

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

Pump Station 26
Yuba County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	20.40	1000sqft	0.47	20,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Combined phases provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

Pump Station 26 - Yuba County, Summer

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

Trips and VMT -

Grading -

Vehicle Trips - Maintenance trips in Pump Station 1

Energy Use - n/a

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	20.00
tblConstructionPhase	NumDays	100.00	20.00
tblConstructionPhase	NumDays	100.00	80.00
tblConstructionPhase	NumDays	2.00	60.00
tblConstructionPhase	NumDays	5.00	20.00
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6550e-003	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.5660e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.4350e-003	0.00

Pump Station 26 - Yuba County, Summer

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00

Pump Station 26 - Yuba County, Summer

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		PG&E Site Painting

Pump Station 26 - Yuba County, Summer

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

tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Grading Rough

Pump Station 26 - Yuba County, Summer

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

tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	7.72	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	200.00	335.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	6.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	1,898,562.50	0.00

2.0 Emissions Summary

Pump Station 26 - Yuba County, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.0137	17.4885	15.9521	0.0382	5.0108	0.7499	5.7606	2.3727	0.6915	3.0642	0.0000	3,692.5084	3,692.5084	1.1160	5.3900e-003	3,722.0150
2025	11.1345	10.7114	12.8996	0.0426	0.1889	0.4007	0.5289	0.0501	0.3692	0.3806	0.0000	4,122.4404	4,122.4404	1.3262	4.1000e-003	4,155.6470
Maximum	11.1345	17.4885	15.9521	0.0426	5.0108	0.7499	5.7606	2.3727	0.6915	3.0642	0.0000	4,122.4404	4,122.4404	1.3262	5.3900e-003	4,155.6470

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.0137	17.4885	15.9521	0.0382	5.0108	0.7499	5.7606	2.3727	0.6915	3.0642	0.0000	3,692.5084	3,692.5084	1.1160	5.3900e-003	3,722.0150
2025	11.1345	10.7114	12.8996	0.0426	0.1889	0.4007	0.5289	0.0501	0.3692	0.3806	0.0000	4,122.4404	4,122.4404	1.3262	4.1000e-003	4,155.6470
Maximum	11.1345	17.4885	15.9521	0.0426	5.0108	0.7499	5.7606	2.3727	0.6915	3.0642	0.0000	4,122.4404	4,122.4404	1.3262	5.3900e-003	4,155.6470

Pump Station 26 - Yuba County, Summer

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

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

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	0.4889	2.0000e-005	2.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.4600e-003	4.4600e-003	1.0000e-005		4.7500e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.2748	0.7683	0.7009	1.3200e-003		0.0404	0.0404		0.0404	0.0404		140.6186	140.6186	0.0197		141.1115
Total	0.7638	0.7683	0.7030	1.3200e-003	0.0000	0.0405	0.0405	0.0000	0.0405	0.0405		140.6231	140.6231	0.0197	0.0000	141.1162

Pump Station 26 - Yuba County, Summer

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.4889	2.0000e-005	2.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.4600e-003	4.4600e-003	1.0000e-005		4.7500e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.2748	0.7683	0.7009	1.3200e-003		0.0404	0.0404		0.0404	0.0404		140.6186	140.6186	0.0197		141.1115
Total	0.7638	0.7683	0.7030	1.3200e-003	0.0000	0.0405	0.0405	0.0000	0.0405	0.0405		140.6231	140.6231	0.0197	0.0000	141.1162

	ROG	NOx	CO	SO2	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	Grading Rough	Grading	1/1/2024	3/22/2024	5	60	
2	Piping Underground	Trenching	3/23/2024	9/6/2024	5	120	
3	Site Electrical	Trenching	9/7/2024	2/21/2025	5	120	
4	Site Lighting	Trenching	2/22/2025	3/21/2025	5	20	

Pump Station 26 - Yuba County, Summer

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

5	Wet Well Construction	Trenching	3/22/2025	6/13/2025	5	60
6	Wall and Generator	Building Construction	6/14/2025	7/11/2025	5	20
7	Pumps and Piping	Building Construction	7/12/2025	10/31/2025	5	80
8	Final Grading and Paving	Paving	11/1/2025	11/28/2025	5	20
9	PG&E Site Painting	Architectural Coating	11/29/2025	12/26/2025	5	20

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 40.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 12,323; Non-Residential Outdoor: 4,108; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading Rough	Dumpers/Tenders	1	6.00	16	0.38
Grading Rough	Excavators	1	6.00	158	0.38
Grading Rough	Forklifts	1	6.00	89	0.20
Grading Rough	Graders	1	6.00	187	0.41
Grading Rough	Off-Highway Trucks	2	6.00	250	0.38
Grading Rough	Plate Compactors	1	6.00	8	0.43
Grading Rough	Rollers	1	6.00	80	0.38
Grading Rough	Rubber Tired Dozers	1	6.00	247	0.40
Grading Rough	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Piping Underground	Dumpers/Tenders	1	6.00	16	0.38
Piping Underground	Forklifts	1	6.00	89	0.20
Piping Underground	Off-Highway Trucks	2	6.00	250	0.38
Piping Underground	Off-Highway Trucks	1	6.00	402	0.38
Piping Underground	Plate Compactors	1	6.00	8	0.43
Piping Underground	Tractors/Loaders/Backhoes	1	6.00	97	0.37

Pump Station 26 - Yuba County, Summer

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

Site Electrical	Dumpers/Tenders	1	6.00	16	0.38
Site Electrical	Forklifts	1	6.00	89	0.20
Site Electrical	Off-Highway Trucks	1	6.00	250	0.38
Site Electrical	Off-Highway Trucks	1	6.00	402	0.38
Site Electrical	Plate Compactors	1	6.00	8	0.43
Site Electrical	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Lighting	Dumpers/Tenders	1	6.00	16	0.38
Site Lighting	Forklifts	1	6.00	89	0.20
Site Lighting	Off-Highway Trucks	1	6.00	250	0.38
Site Lighting	Off-Highway Trucks	1	6.00	402	0.38
Site Lighting	Plate Compactors	1	6.00	8	0.43
Site Lighting	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wet Well Construction	Cranes	1	1.00	231	0.29
Wet Well Construction	Dumpers/Tenders	1	6.00	16	0.38
Wet Well Construction	Excavators	1	4.00	158	0.38
Wet Well Construction	Forklifts	1	6.00	89	0.20
Wet Well Construction	Off-Highway Trucks	2	6.00	250	0.38
Wet Well Construction	Off-Highway Trucks	1	6.00	402	0.38
Wet Well Construction	Plate Compactors	1	6.00	8	0.43
Wet Well Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wall and Generator	Aerial Lifts	1	8.00	63	0.31
Wall and Generator	Dumpers/Tenders	1	8.00	16	0.38
Wall and Generator	Forklifts	1	8.00	89	0.20
Wall and Generator	Off-Highway Trucks	2	8.00	250	0.38
Wall and Generator	Off-Highway Trucks	1	8.00	402	0.38
Wall and Generator	Plate Compactors	1	8.00	8	0.43
Wall and Generator	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pumps and Piping	Aerial Lifts	1	6.00	63	0.31
Pumps and Piping	Dumpers/Tenders	1	6.00	16	0.38

Pump Station 26 - Yuba County, Summer

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

Pumps and Piping	Excavators	1	6.00	158	0.38
Pumps and Piping	Forklifts	1	6.00	89	0.20
Pumps and Piping	Off-Highway Trucks	2	6.00	250	0.38
Pumps and Piping	Off-Highway Trucks	1	6.00	402	0.38
Pumps and Piping	Plate Compactors	1	6.00	8	0.43
Pumps and Piping	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Pumps and Piping	Welders	1	6.00	46	0.45
Final Grading and Paving	Dumpers/Tenders	1	6.00	16	0.38
Final Grading and Paving	Forklifts	1	6.00	89	0.20
Final Grading and Paving	Graders	1	6.00	187	0.41
Final Grading and Paving	Off-Highway Trucks	1	6.00	250	0.38
Final Grading and Paving	Off-Highway Trucks	1	6.00	402	0.38
Final Grading and Paving	Pavers	1	6.00	130	0.42
Final Grading and Paving	Plate Compactors	1	6.00	8	0.43
Final Grading and Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
PG&E Site Painting	Aerial Lifts	2	6.00	63	0.31
PG&E Site Painting	Dumpers/Tenders	1	3.00	16	0.38
PG&E Site Painting	Forklifts	1	6.00	89	0.20
PG&E Site Painting	Off-Highway Trucks	4	8.00	250	0.38
PG&E Site Painting	Off-Highway Trucks	1	3.00	402	0.38
PG&E Site Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading Rough	11	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Piping Underground	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Electrical	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Pump Station 26 - Yuba County, Summer

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

Site Lighting	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wet Well Construction	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wall and Generator	8	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Pumps and Piping	10	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading and Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PG&E Site Painting	10	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading Rough - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.7808	0.0000	4.7808	2.3117	0.0000	2.3117			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905		3,480.669 3	3,480.669 3	1.1102		3,508.423 4
Total	1.9112	17.4364	15.1455	0.0361	4.7808	0.7488	5.5295	2.3117	0.6905	3.0022		3,480.669 3	3,480.669 3	1.1102		3,508.423 4

Pump Station 26 - Yuba County, Summer

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

3.2 Grading Rough - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915
Total	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.7808	0.0000	4.7808	2.3117	0.0000	2.3117			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234
Total	1.9112	17.4364	15.1455	0.0361	4.7808	0.7488	5.5295	2.3117	0.6905	3.0022	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234

Pump Station 26 - Yuba County, Summer

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

3.2 Grading Rough - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915
Total	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915

3.3 Piping Underground - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969

Pump Station 26 - Yuba County, Summer

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

3.3 Piping Underground - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089
Total	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969

Pump Station 26 - Yuba County, Summer

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

3.3 Piping Underground - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089
Total	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089

3.4 Site Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271

Pump Station 26 - Yuba County, Summer

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

3.4 Site Electrical - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240
Total	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271

Pump Station 26 - Yuba County, Summer

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

3.4 Site Electrical - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240
Total	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240

3.4 Site Electrical - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 26 - Yuba County, Summer

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

3.4 Site Electrical - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0510	0.0246	0.3977	1.0600e-003	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		110.7013	110.7013	2.7800e-003	2.6700e-003	111.5676
Total	0.0510	0.0246	0.3977	1.0600e-003	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		110.7013	110.7013	2.7800e-003	2.6700e-003	111.5676

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 26 - Yuba County, Summer

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

3.4 Site Electrical - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0510	0.0246	0.3977	1.0600e-003	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		110.7013	110.7013	2.7800e-003	2.6700e-003	111.5676
Total	0.0510	0.0246	0.3977	1.0600e-003	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		110.7013	110.7013	2.7800e-003	2.6700e-003	111.5676

3.5 Site Lighting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 26 - Yuba County, Summer

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

3.5 Site Lighting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0510	0.0246	0.3977	1.0600e-003	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		110.7013	110.7013	2.7800e-003	2.6700e-003	111.5676
Total	0.0510	0.0246	0.3977	1.0600e-003	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		110.7013	110.7013	2.7800e-003	2.6700e-003	111.5676

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 26 - Yuba County, Summer

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

3.5 Site Lighting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0510	0.0246	0.3977	1.0600e-003	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		110.7013	110.7013	2.7800e-003	2.6700e-003	111.5676
Total	0.0510	0.0246	0.3977	1.0600e-003	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		110.7013	110.7013	2.7800e-003	2.6700e-003	111.5676

3.6 Wet Well Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014		2,867.948 2	2,867.948 2	0.9120		2,890.748 1
Total	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014		2,867.948 2	2,867.948 2	0.9120		2,890.748 1

Pump Station 26 - Yuba County, Summer

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

3.6 Wet Well Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0782	0.0378	0.6098	1.6300e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		169.7420	169.7420	4.2700e-003	4.1000e-003	171.0703
Total	0.0782	0.0378	0.6098	1.6300e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		169.7420	169.7420	4.2700e-003	4.1000e-003	171.0703

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014	0.0000	2,867.9482	2,867.9482	0.9120		2,890.7481
Total	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014	0.0000	2,867.9482	2,867.9482	0.9120		2,890.7481

Pump Station 26 - Yuba County, Summer

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

3.6 Wet Well Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0782	0.0378	0.6098	1.6300e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		169.7420	169.7420	4.2700e-003	4.1000e-003	171.0703
Total	0.0782	0.0378	0.6098	1.6300e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		169.7420	169.7420	4.2700e-003	4.1000e-003	171.0703

3.7 Wall and Generator - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526		3,559.8544	3,559.8544	1.1306		3,588.1192
Total	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526		3,559.8544	3,559.8544	1.1306		3,588.1192

Pump Station 26 - Yuba County, Summer

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

3.7 Wall and Generator - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3900e-003	0.0562	0.0131	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.3000e-004	2.2700e-003		22.7854	22.7854	7.0000e-005	3.2900e-003	23.7667
Worker	0.0102	4.9300e-003	0.0795	2.1000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		22.1403	22.1403	5.6000e-004	5.3000e-004	22.3135
Total	0.0116	0.0612	0.0926	4.3000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.3000e-004	8.9100e-003		44.9256	44.9256	6.3000e-004	3.8200e-003	46.0803

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526	0.0000	3,559.8544	3,559.8544	1.1306		3,588.1192
Total	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526	0.0000	3,559.8544	3,559.8544	1.1306		3,588.1192

Pump Station 26 - Yuba County, Summer

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

3.7 Wall and Generator - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3900e-003	0.0562	0.0131	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.3000e-004	2.2700e-003		22.7854	22.7854	7.0000e-005	3.2900e-003	23.7667
Worker	0.0102	4.9300e-003	0.0795	2.1000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		22.1403	22.1403	5.6000e-004	5.3000e-004	22.3135
Total	0.0116	0.0612	0.0926	4.3000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.3000e-004	8.9100e-003		44.9256	44.9256	6.3000e-004	3.8200e-003	46.0803

3.8 Pumps and Piping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365		3,200.7525	3,200.7525	0.9841		3,225.3549
Total	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365		3,200.7525	3,200.7525	0.9841		3,225.3549

Pump Station 26 - Yuba County, Summer

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

3.8 Pumps and Piping - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3900e-003	0.0562	0.0131	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.3000e-004	2.2700e-003		22.7854	22.7854	7.0000e-005	3.2900e-003	23.7667
Worker	0.0102	4.9300e-003	0.0795	2.1000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		22.1403	22.1403	5.6000e-004	5.3000e-004	22.3135
Total	0.0116	0.0612	0.0926	4.3000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.3000e-004	8.9100e-003		44.9256	44.9256	6.3000e-004	3.8200e-003	46.0803

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365	0.0000	3,200.7525	3,200.7525	0.9841		3,225.3548
Total	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365	0.0000	3,200.7525	3,200.7525	0.9841		3,225.3548

Pump Station 26 - Yuba County, Summer

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

3.8 Pumps and Piping - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3900e-003	0.0562	0.0131	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.3000e-004	2.2700e-003		22.7854	22.7854	7.0000e-005	3.2900e-003	23.7667
Worker	0.0102	4.9300e-003	0.0795	2.1000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		22.1403	22.1403	5.6000e-004	5.3000e-004	22.3135
Total	0.0116	0.0612	0.0926	4.3000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.3000e-004	8.9100e-003		44.9256	44.9256	6.3000e-004	3.8200e-003	46.0803

3.9 Final Grading and Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363		2,779.8308	2,779.8308	0.8835		2,801.9183
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363		2,779.8308	2,779.8308	0.8835		2,801.9183

Pump Station 26 - Yuba County, Summer

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

3.9 Final Grading and Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0680	0.0329	0.5303	1.4200e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		147.6017	147.6017	3.7100e-003	3.5600e-003	148.7568
Total	0.0680	0.0329	0.5303	1.4200e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		147.6017	147.6017	3.7100e-003	3.5600e-003	148.7568

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363	0.0000	2,779.8308	2,779.8308	0.8835		2,801.9183
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363	0.0000	2,779.8308	2,779.8308	0.8835		2,801.9183

Pump Station 26 - Yuba County, Summer

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

3.9 Final Grading and Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0680	0.0329	0.5303	1.4200e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		147.6017	147.6017	3.7100e-003	3.5600e-003	148.7568
Total	0.0680	0.0329	0.5303	1.4200e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		147.6017	147.6017	3.7100e-003	3.5600e-003	148.7568

3.10 PG&E Site Painting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.5197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092
Total	11.1311	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092

Pump Station 26 - Yuba County, Summer

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

3.10 PG&E Site Painting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-003	1.6400e-003	0.0265	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		7.3801	7.3801	1.9000e-004	1.8000e-004	7.4378
Total	3.4000e-003	1.6400e-003	0.0265	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		7.3801	7.3801	1.9000e-004	1.8000e-004	7.4378

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.5197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092
Total	11.1311	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092

Pump Station 26 - Yuba County, Summer

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

3.10 PG&E Site Painting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-003	1.6400e-003	0.0265	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		7.3801	7.3801	1.9000e-004	1.8000e-004	7.4378
Total	3.4000e-003	1.6400e-003	0.0265	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		7.3801	7.3801	1.9000e-004	1.8000e-004	7.4378

Pump Station 26 - Yuba County, Summer

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	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

Pump Station 26 - Yuba County, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated 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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4889	2.0000e-005	2.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.4600e-003	4.4600e-003	1.0000e-005		4.7500e-003
Unmitigated	0.4889	2.0000e-005	2.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.4600e-003	4.4600e-003	1.0000e-005		4.7500e-003

Pump Station 26 - Yuba County, Summer

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4366					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9000e-004	2.0000e-005	2.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			4.4600e-003	4.4600e-003	1.0000e-005	4.7500e-003
Total	0.4889	2.0000e-005	2.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			4.4600e-003	4.4600e-003	1.0000e-005	4.7500e-003

Pump Station 26 - Yuba County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4366					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9000e-004	2.0000e-005	2.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			4.4600e-003	4.4600e-003	1.0000e-005	4.7500e-003
Total	0.4889	2.0000e-005	2.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			4.4600e-003	4.4600e-003	1.0000e-005	4.7500e-003

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
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Pump Station 26 - Yuba County, Summer

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

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	335	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

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 (300 - 600 HP)	0.2748	0.7683	0.7009	1.3200e-003		0.0404	0.0404		0.0404	0.0404		140.6186	140.6186	0.0197		141.1115
Total	0.2748	0.7683	0.7009	1.3200e-003		0.0404	0.0404		0.0404	0.0404		140.6186	140.6186	0.0197		141.1115

11.0 Vegetation

Pump Station 26 - Yuba County, Winter

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

Pump Station 26

Yuba County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	20.40	1000sqft	0.47	20,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Combined phases provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

Pump Station 26 - Yuba County, Winter

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

Trips and VMT -

Grading -

Vehicle Trips - Maintenance trips in Pump Station 1

Energy Use - n/a

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	20.00
tblConstructionPhase	NumDays	100.00	20.00
tblConstructionPhase	NumDays	100.00	80.00
tblConstructionPhase	NumDays	2.00	60.00
tblConstructionPhase	NumDays	5.00	20.00
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6550e-003	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.5660e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.4350e-003	0.00

Pump Station 26 - Yuba County, Winter

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00

Pump Station 26 - Yuba County, Winter

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		PG&E Site Painting

Pump Station 26 - Yuba County, Winter

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

tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Grading Rough

Pump Station 26 - Yuba County, Winter

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

tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	7.72	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	200.00	335.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	6.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	1,898,562.50	0.00

2.0 Emissions Summary

Pump Station 26 - Yuba County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.0009	17.5013	15.8483	0.0380	5.0108	0.7499	5.7606	2.3727	0.6915	3.0642	0.0000	3,668.9777	3,668.9777	1.1169	6.2500e-003	3,698.7640
2025	11.1341	10.7118	12.8902	0.0426	0.1889	0.4007	0.5289	0.0501	0.3692	0.3806	0.0000	4,121.6229	4,121.6229	1.3262	4.7500e-003	4,154.8387
Maximum	11.1341	17.5013	15.8483	0.0426	5.0108	0.7499	5.7606	2.3727	0.6915	3.0642	0.0000	4,121.6229	4,121.6229	1.3262	6.2500e-003	4,154.8387

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.0009	17.5013	15.8483	0.0380	5.0108	0.7499	5.7606	2.3727	0.6915	3.0642	0.0000	3,668.9777	3,668.9777	1.1169	6.2500e-003	3,698.7640
2025	11.1341	10.7118	12.8902	0.0426	0.1889	0.4007	0.5289	0.0501	0.3692	0.3806	0.0000	4,121.6229	4,121.6229	1.3262	4.7500e-003	4,154.8387
Maximum	11.1341	17.5013	15.8483	0.0426	5.0108	0.7499	5.7606	2.3727	0.6915	3.0642	0.0000	4,121.6229	4,121.6229	1.3262	6.2500e-003	4,154.8387

Pump Station 26 - Yuba County, Winter

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

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

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	0.4889	2.0000e-005	2.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.4600e-003	4.4600e-003	1.0000e-005		4.7500e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.2748	0.7683	0.7009	1.3200e-003		0.0404	0.0404		0.0404	0.0404		140.6186	140.6186	0.0197		141.1115
Total	0.7638	0.7683	0.7030	1.3200e-003	0.0000	0.0405	0.0405	0.0000	0.0405	0.0405		140.6231	140.6231	0.0197	0.0000	141.1162

Pump Station 26 - Yuba County, Winter

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.4889	2.0000e-005	2.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.4600e-003	4.4600e-003	1.0000e-005		4.7500e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.2748	0.7683	0.7009	1.3200e-003		0.0404	0.0404		0.0404	0.0404		140.6186	140.6186	0.0197		141.1115
Total	0.7638	0.7683	0.7030	1.3200e-003	0.0000	0.0405	0.0405	0.0000	0.0405	0.0405		140.6231	140.6231	0.0197	0.0000	141.1162

	ROG	NOx	CO	SO2	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	Grading Rough	Grading	1/1/2024	3/22/2024	5	60	
2	Piping Underground	Trenching	3/23/2024	9/6/2024	5	120	
3	Site Electrical	Trenching	9/7/2024	2/21/2025	5	120	
4	Site Lighting	Trenching	2/22/2025	3/21/2025	5	20	

Pump Station 26 - Yuba County, Winter

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

5	Wet Well Construction	Trenching	3/22/2025	6/13/2025	5	60
6	Wall and Generator	Building Construction	6/14/2025	7/11/2025	5	20
7	Pumps and Piping	Building Construction	7/12/2025	10/31/2025	5	80
8	Final Grading and Paving	Paving	11/1/2025	11/28/2025	5	20
9	PG&E Site Painting	Architectural Coating	11/29/2025	12/26/2025	5	20

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 40.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 12,323; Non-Residential Outdoor: 4,108; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading Rough	Dumpers/Tenders	1	6.00	16	0.38
Grading Rough	Excavators	1	6.00	158	0.38
Grading Rough	Forklifts	1	6.00	89	0.20
Grading Rough	Graders	1	6.00	187	0.41
Grading Rough	Off-Highway Trucks	2	6.00	250	0.38
Grading Rough	Plate Compactors	1	6.00	8	0.43
Grading Rough	Rollers	1	6.00	80	0.38
Grading Rough	Rubber Tired Dozers	1	6.00	247	0.40
Grading Rough	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Piping Underground	Dumpers/Tenders	1	6.00	16	0.38
Piping Underground	Forklifts	1	6.00	89	0.20
Piping Underground	Off-Highway Trucks	2	6.00	250	0.38
Piping Underground	Off-Highway Trucks	1	6.00	402	0.38
Piping Underground	Plate Compactors	1	6.00	8	0.43
Piping Underground	Tractors/Loaders/Backhoes	1	6.00	97	0.37

Pump Station 26 - Yuba County, Winter

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

Site Electrical	Dumpers/Tenders	1	6.00	16	0.38
Site Electrical	Forklifts	1	6.00	89	0.20
Site Electrical	Off-Highway Trucks	1	6.00	250	0.38
Site Electrical	Off-Highway Trucks	1	6.00	402	0.38
Site Electrical	Plate Compactors	1	6.00	8	0.43
Site Electrical	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Lighting	Dumpers/Tenders	1	6.00	16	0.38
Site Lighting	Forklifts	1	6.00	89	0.20
Site Lighting	Off-Highway Trucks	1	6.00	250	0.38
Site Lighting	Off-Highway Trucks	1	6.00	402	0.38
Site Lighting	Plate Compactors	1	6.00	8	0.43
Site Lighting	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wet Well Construction	Cranes	1	1.00	231	0.29
Wet Well Construction	Dumpers/Tenders	1	6.00	16	0.38
Wet Well Construction	Excavators	1	4.00	158	0.38
Wet Well Construction	Forklifts	1	6.00	89	0.20
Wet Well Construction	Off-Highway Trucks	2	6.00	250	0.38
Wet Well Construction	Off-Highway Trucks	1	6.00	402	0.38
Wet Well Construction	Plate Compactors	1	6.00	8	0.43
Wet Well Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wall and Generator	Aerial Lifts	1	8.00	63	0.31
Wall and Generator	Dumpers/Tenders	1	8.00	16	0.38
Wall and Generator	Forklifts	1	8.00	89	0.20
Wall and Generator	Off-Highway Trucks	2	8.00	250	0.38
Wall and Generator	Off-Highway Trucks	1	8.00	402	0.38
Wall and Generator	Plate Compactors	1	8.00	8	0.43
Wall and Generator	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pumps and Piping	Aerial Lifts	1	6.00	63	0.31
Pumps and Piping	Dumpers/Tenders	1	6.00	16	0.38

Pump Station 26 - Yuba County, Winter

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

Pumps and Piping	Excavators	1	6.00	158	0.38
Pumps and Piping	Forklifts	1	6.00	89	0.20
Pumps and Piping	Off-Highway Trucks	2	6.00	250	0.38
Pumps and Piping	Off-Highway Trucks	1	6.00	402	0.38
Pumps and Piping	Plate Compactors	1	6.00	8	0.43
Pumps and Piping	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Pumps and Piping	Welders	1	6.00	46	0.45
Final Grading and Paving	Dumpers/Tenders	1	6.00	16	0.38
Final Grading and Paving	Forklifts	1	6.00	89	0.20
Final Grading and Paving	Graders	1	6.00	187	0.41
Final Grading and Paving	Off-Highway Trucks	1	6.00	250	0.38
Final Grading and Paving	Off-Highway Trucks	1	6.00	402	0.38
Final Grading and Paving	Pavers	1	6.00	130	0.42
Final Grading and Paving	Plate Compactors	1	6.00	8	0.43
Final Grading and Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
PG&E Site Painting	Aerial Lifts	2	6.00	63	0.31
PG&E Site Painting	Dumpers/Tenders	1	3.00	16	0.38
PG&E Site Painting	Forklifts	1	6.00	89	0.20
PG&E Site Painting	Off-Highway Trucks	4	8.00	250	0.38
PG&E Site Painting	Off-Highway Trucks	1	3.00	402	0.38
PG&E Site Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading Rough	11	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Piping Underground	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Electrical	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Pump Station 26 - Yuba County, Winter

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

Site Lighting	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wet Well Construction	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wall and Generator	8	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Pumps and Piping	10	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading and Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PG&E Site Painting	10	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading Rough - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.7808	0.0000	4.7808	2.3117	0.0000	2.3117			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905		3,480.669 3	3,480.669 3	1.1102		3,508.423 4
Total	1.9112	17.4364	15.1455	0.0361	4.7808	0.7488	5.5295	2.3117	0.6905	3.0022		3,480.669 3	3,480.669 3	1.1102		3,508.423 4

Pump Station 26 - Yuba County, Winter

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

3.2 Grading Rough - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406
Total	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.7808	0.0000	4.7808	2.3117	0.0000	2.3117			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234
Total	1.9112	17.4364	15.1455	0.0361	4.7808	0.7488	5.5295	2.3117	0.6905	3.0022	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234

Pump Station 26 - Yuba County, Winter

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

3.2 Grading Rough - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406
Total	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406

3.3 Piping Underground - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969

Pump Station 26 - Yuba County, Winter

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

3.3 Piping Underground - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618
Total	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969

Pump Station 26 - Yuba County, Winter

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

3.3 Piping Underground - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618
Total	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618

3.4 Site Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271

Pump Station 26 - Yuba County, Winter

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

3.4 Site Electrical - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682
Total	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271

Pump Station 26 - Yuba County, Winter

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

3.4 Site Electrical - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682
Total	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682

3.4 Site Electrical - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 26 - Yuba County, Winter

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

3.4 Site Electrical - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429
Total	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 26 - Yuba County, Winter

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

3.4 Site Electrical - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429
Total	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429

3.5 Site Lighting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084		1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 26 - Yuba County, Winter

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

3.5 Site Lighting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429
Total	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520
Total	0.8399	5.7202	6.7815	0.0204		0.2248	0.2248		0.2084	0.2084	0.0000	1,958.4062	1,958.4062	0.6178		1,973.8520

Pump Station 26 - Yuba County, Winter

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

3.5 Site Lighting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429
Total	0.0446	0.0307	0.3483	9.4000e-004	0.1232	5.6000e-004	0.1238	0.0327	5.2000e-004	0.0332		98.4385	98.4385	3.2500e-003	3.1000e-003	99.4429

3.6 Wet Well Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014		2,867.9482	2,867.9482	0.9120		2,890.7481
Total	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014		2,867.9482	2,867.9482	0.9120		2,890.7481

Pump Station 26 - Yuba County, Winter

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

3.6 Wet Well Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0685	0.0471	0.5341	1.4500e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		150.9391	150.9391	4.9800e-003	4.7500e-003	152.4792
Total	0.0685	0.0471	0.5341	1.4500e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		150.9391	150.9391	4.9800e-003	4.7500e-003	152.4792

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014	0.0000	2,867.9482	2,867.9482	0.9120		2,890.7481
Total	1.1949	8.1456	10.1522	0.0298		0.3258	0.3258		0.3014	0.3014	0.0000	2,867.9482	2,867.9482	0.9120		2,890.7481

Pump Station 26 - Yuba County, Winter

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

3.6 Wet Well Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0685	0.0471	0.5341	1.4500e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		150.9391	150.9391	4.9800e-003	4.7500e-003	152.4792
Total	0.0685	0.0471	0.5341	1.4500e-003	0.1889	8.6000e-004	0.1898	0.0501	7.9000e-004	0.0509		150.9391	150.9391	4.9800e-003	4.7500e-003	152.4792

3.7 Wall and Generator - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526		3,559.8544	3,559.8544	1.1306		3,588.1192
Total	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526		3,559.8544	3,559.8544	1.1306		3,588.1192

Pump Station 26 - Yuba County, Winter

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

3.7 Wall and Generator - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3500e-003	0.0606	0.0136	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.4000e-004	2.2800e-003		22.8048	22.8048	7.0000e-005	3.2900e-003	23.7885
Worker	8.9300e-003	6.1400e-003	0.0697	1.9000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		19.6877	19.6877	6.5000e-004	6.2000e-004	19.8886
Total	0.0103	0.0668	0.0833	4.1000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.4000e-004	8.9200e-003		42.4925	42.4925	7.2000e-004	3.9100e-003	43.6771

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526	0.0000	3,559.8544	3,559.8544	1.1306		3,588.1192
Total	1.4637	10.0388	12.1649	0.0370		0.3809	0.3809		0.3526	0.3526	0.0000	3,559.8544	3,559.8544	1.1306		3,588.1192

Pump Station 26 - Yuba County, Winter

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

3.7 Wall and Generator - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3500e-003	0.0606	0.0136	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.4000e-004	2.2800e-003		22.8048	22.8048	7.0000e-005	3.2900e-003	23.7885
Worker	8.9300e-003	6.1400e-003	0.0697	1.9000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		19.6877	19.6877	6.5000e-004	6.2000e-004	19.8886
Total	0.0103	0.0668	0.0833	4.1000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.4000e-004	8.9200e-003		42.4925	42.4925	7.2000e-004	3.9100e-003	43.6771

3.8 Pumps and Piping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365		3,200.7525	3,200.7525	0.9841		3,225.3549
Total	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365		3,200.7525	3,200.7525	0.9841		3,225.3549

Pump Station 26 - Yuba County, Winter

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

3.8 Pumps and Piping - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3500e-003	0.0606	0.0136	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.4000e-004	2.2800e-003		22.8048	22.8048	7.0000e-005	3.2900e-003	23.7885
Worker	8.9300e-003	6.1400e-003	0.0697	1.9000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		19.6877	19.6877	6.5000e-004	6.2000e-004	19.8886
Total	0.0103	0.0668	0.0833	4.1000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.4000e-004	8.9200e-003		42.4925	42.4925	7.2000e-004	3.9100e-003	43.6771

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365	0.0000	3,200.7525	3,200.7525	0.9841		3,225.3548
Total	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365	0.0000	3,200.7525	3,200.7525	0.9841		3,225.3548

Pump Station 26 - Yuba County, Winter

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

3.8 Pumps and Piping - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3500e-003	0.0606	0.0136	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.4000e-004	2.2800e-003		22.8048	22.8048	7.0000e-005	3.2900e-003	23.7885
Worker	8.9300e-003	6.1400e-003	0.0697	1.9000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		19.6877	19.6877	6.5000e-004	6.2000e-004	19.8886
Total	0.0103	0.0668	0.0833	4.1000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.4000e-004	8.9200e-003		42.4925	42.4925	7.2000e-004	3.9100e-003	43.6771

3.9 Final Grading and Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363		2,779.8308	2,779.8308	0.8835		2,801.9183
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363		2,779.8308	2,779.8308	0.8835		2,801.9183

Pump Station 26 - Yuba County, Winter

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

3.9 Final Grading and Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0595	0.0409	0.4645	1.2600e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		131.2514	131.2514	4.3300e-003	4.1300e-003	132.5906
Total	0.0595	0.0409	0.4645	1.2600e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		131.2514	131.2514	4.3300e-003	4.1300e-003	132.5906

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363	0.0000	2,779.8308	2,779.8308	0.8835		2,801.9183
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363	0.0000	2,779.8308	2,779.8308	0.8835		2,801.9183

Pump Station 26 - Yuba County, Winter

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

3.9 Final Grading and Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0595	0.0409	0.4645	1.2600e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		131.2514	131.2514	4.3300e-003	4.1300e-003	132.5906
Total	0.0595	0.0409	0.4645	1.2600e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		131.2514	131.2514	4.3300e-003	4.1300e-003	132.5906

3.10 PG&E Site Painting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.5197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092
Total	11.1311	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092

Pump Station 26 - Yuba County, Winter

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

3.10 PG&E Site Painting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295
Total	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.5197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092
Total	11.1311	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092

Pump Station 26 - Yuba County, Winter

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

3.10 PG&E Site Painting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295
Total	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295

Pump Station 26 - Yuba County, Winter

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	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

Pump Station 26 - Yuba County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated 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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4889	2.0000e-005	2.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.4600e-003	4.4600e-003	1.0000e-005		4.7500e-003
Unmitigated	0.4889	2.0000e-005	2.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.4600e-003	4.4600e-003	1.0000e-005		4.7500e-003

Pump Station 26 - Yuba County, Winter

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4366					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9000e-004	2.0000e-005	2.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			4.4600e-003	4.4600e-003	1.0000e-005	4.7500e-003
Total	0.4889	2.0000e-005	2.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			4.4600e-003	4.4600e-003	1.0000e-005	4.7500e-003

Pump Station 26 - Yuba County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4366					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9000e-004	2.0000e-005	2.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			4.4600e-003	4.4600e-003	1.0000e-005	4.7500e-003
Total	0.4889	2.0000e-005	2.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			4.4600e-003	4.4600e-003	1.0000e-005	4.7500e-003

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

Pump Station 26 - Yuba County, Winter

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

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	335	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 (300 - 600 HP)	0.2748	0.7683	0.7009	1.3200e-003		0.0404	0.0404		0.0404	0.0404		140.6186	140.6186	0.0197		141.1115
Total	0.2748	0.7683	0.7009	1.3200e-003		0.0404	0.0404		0.0404	0.0404		140.6186	140.6186	0.0197		141.1115

11.0 Vegetation

Road Construction Emissions Model, Version 9.0.0

Daily Emission Estimates for -> SSO Force Main & Wheatland Pipeline Connector														
Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	1.45	10.40	11.55	0.69	0.49	0.20	0.49	0.45	0.04	0.03	2,317.35	0.48	0.05	2,343.11
Grading/Excavation	4.23	34.64	45.68	2.04	1.84	0.20	1.61	1.57	0.04	0.11	11,028.36	2.20	0.62	11,269.07
Drainage/Utilities/Sub-Grade	4.17	37.43	44.50	1.97	1.77	0.20	1.56	1.52	0.04	0.12	11,663.91	1.77	0.71	11,919.49
Paving	1.93	20.53	16.95	0.80	0.80	0.00	0.71	0.71	0.00	0.04	3,722.07	0.79	0.12	3,779.12
Maximum (pounds/day)	4.23	37.43	45.68	2.04	1.84	0.20	1.61	1.57	0.04	0.12	11,663.91	2.20	0.71	11,919.49
Total (tons/construction project)	0.28	2.38	2.90	0.13	0.12	0.01	0.10	0.10	0.00	0.01	712.40	0.13	0.04	727.50

Notes:
 Project Start Year -> 2024
 Project Length (months) -> 7
 Total Project Area (acres) -> 3
 Maximum Area Disturbed/Day (acres) -> 0
 Water Truck Used? -> Yes

Phase	Total Material Imported/Exported Volume (yd ³ /day)		Daily VMT (miles/day)			
	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	320	40
Grading/Excavation	480	0	900	0	400	40
Drainage/Utilities/Sub-Grade	560	0	1,050	0	400	40
Paving	0	64	0	120	320	40

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.
 Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.
 CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> SSO Force Main & Wheatland Pipeline Connector														
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.08	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	17.84	0.00	0.00	16.37
Grading/Excavation	0.15	1.20	1.58	0.07	0.06	0.01	0.06	0.05	0.00	0.00	382.13	0.08	0.02	354.24
Drainage/Utilities/Sub-Grade	0.10	0.86	1.03	0.05	0.04	0.00	0.04	0.04	0.00	0.00	269.44	0.04	0.02	249.79
Paving	0.02	0.24	0.20	0.01	0.01	0.00	0.01	0.01	0.00	0.00	42.99	0.01	0.00	39.60
Maximum (tons/phase)	0.15	1.20	1.58	0.07	0.06	0.01	0.06	0.05	0.00	0.00	382.13	0.08	0.02	354.24
Total (tons/construction project)	0.28	2.38	2.90	0.13	0.12	0.01	0.10	0.10	0.00	0.01	712.40	0.13	0.04	659.99

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.
 Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.
 CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.
 The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model

Version 9.0.0

Data Entry Worksheet

Note: Required data input sections have a yellow background.
 Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
 The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
 Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.



Input Type

Project Name	SSO Force Main & Wheatland Pipeline Connector	
Construction Start Year	2024	Enter a Year between 2014 and 2040 (inclusive)
Project Type	1	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction
Project Construction Time	7.00	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	2	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the lone formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	7.00	miles
Total Project Area	2.50	acres
Maximum Area Disturbed/Day	0.02	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/pool.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd ³) (assume 20 if unknown)	Import Volume (yd ³ /day)	Export Volume (yd ³ /day)
Soil	Grubbing/Land Clearing			
	Grading/Excavation	16.00		480.00
	Drainage/Utilities/Sub-Grade	16.00	560.00	
	Paving			
Asphalt	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving	16.00	16.00	48.00

Mitigation Options

On-road Fleet Emissions Mitigation	
Off-road Equipment Emissions Mitigation	

Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
 Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm this mitigation measure (<http://www.airquality.org/Businesses/CEQA-Land-Use-Planning/Mitigation>).
 Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that can be modified by the user, although those modifications are optional.



Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Program Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date
Grubbing/Land Clearing		0.70		1/1/24
Grading/Excavation		3.15		1/23/24
Drainage/Utilities/Sub-Grade		2.10		4/28/24
Paving		1.05		7/1/24
Totals (Months)	7			

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions		User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT				
User Input										
Miles/round trip: Grubbing/Land Clearing			30.00		0	0.00				
Miles/round trip: Grading/Excavation			30.00		30	900.00				
Miles/round trip: Drainage/Utilities/Sub-Grade			30.00		35	1050.00				
Miles/round trip: Paving			30.00		0	0.00				
Emission Rates										
	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92
Grading/Excavation (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92
Drainage/Utilities/Sub-Grade (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92
Paving (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92
Grubbing/Land Clearing (grams/trip)	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions										
	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.06	0.81	6.29	0.22	0.10	0.03	3,360.28	0.00	0.53	3,517.75
Tons per const. Period - Grading/Excavation	0.00	0.03	0.22	0.01	0.00	0.00	116.43	0.00	0.02	121.89
Pounds per day - Drainage/Utilities/Sub-Grade	0.07	0.94	7.34	0.26	0.11	0.04	3,920.33	0.00	0.62	4,104.04
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.02	0.17	0.01	0.00	0.00	90.56	0.00	0.01	94.80
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.05	0.39	0.01	0.01	0.00	206.99	0.00	0.03	216.69

Note: Asphalt Hauling emission default values can be overridden in cells D91 through D94, and F91 through F94.

Asphalt Hauling Emissions		User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT				
User Input										
Miles/round trip: Grubbing/Land Clearing			30.00		0	0.00				
Miles/round trip: Grading/Excavation			30.00		0	0.00				
Miles/round trip: Drainage/Utilities/Sub-Grade			30.00		0	0.00				
Miles/round trip: Paving			30.00		4	120.00				
Emission Rates										
	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92
Grading/Excavation (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92
Drainage/Utilities/Sub-Grade (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92
Paving (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92
Grubbing/Land Clearing (grams/trip)	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions										
	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.01	0.11	0.84	0.03	0.01	0.00	448.04	0.00	0.07	469.03
Tons per const. Period - Paving	0.00	0.00	0.01	0.00	0.00	0.00	5.17	0.00	0.00	5.42
Total tons per construction project	0.00	0.00	0.01	0.00	0.00	0.00	5.17	0.00	0.00	5.42

Note: Worker commute default values can be overridden in cells D121 through D126.

Worker Commute Emissions		User Override of Worker Commute Default Values		Default Values		Calculated						
User Input												
Miles/ one-way trip			20			Calculated Daily Trips	Calculated Daily VMT					
One-way trips/day			2									
No. of employees: Grubbing/Land Clearing	8		20			16	320.00					
No. of employees: Grading/Excavation	10		33			20	400.00					
No. of employees: Drainage/Utilities/Sub-Grade	10		30			20	400.00					
No. of employees: Paving	8		27			16	320.00					
Emission Rates		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e	
Grubbing/Land Clearing (grams/mile)		0.01	0.84	0.06	0.05	0.02	0.00	306.70	0.00	0.01	308.54	
Grading/Excavation (grams/mile)		0.01	0.84	0.06	0.05	0.02	0.00	306.70	0.00	0.01	308.54	
Draining/Utilities/Sub-Grade (grams/mile)		0.01	0.84	0.06	0.05	0.02	0.00	306.70	0.00	0.01	308.54	
Paving (grams/mile)		0.01	0.84	0.06	0.05	0.02	0.00	306.70	0.00	0.01	308.54	
Grubbing/Land Clearing (grams/trip)		0.98	2.66	0.27	0.00	0.00	0.00	65.99	0.07	0.03	76.61	
Grading/Excavation (grams/trip)		0.98	2.66	0.27	0.00	0.00	0.00	65.99	0.07	0.03	76.61	
Draining/Utilities/Sub-Grade (grams/trip)		0.98	2.66	0.27	0.00	0.00	0.00	65.99	0.07	0.03	76.61	
Paving (grams/trip)		0.98	2.66	0.27	0.00	0.00	0.00	65.99	0.07	0.03	76.61	
Emissions		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e	
Pounds per day - Grubbing/Land Clearing		0.04	0.69	0.05	0.03	0.01	0.00	218.70	0.00	0.01	220.37	
Tons per const. Period - Grubbing/Land Clearing		0.00	0.01	0.00	0.00	0.00	0.00	1.68	0.00	0.00	1.70	
Pounds per day - Grading/Excavation		0.06	0.86	0.07	0.04	0.02	0.00	273.37	0.01	0.01	275.46	
Tons per const. Period - Grading/Excavation		0.00	0.03	0.00	0.00	0.00	0.00	9.47	0.00	0.00	9.54	
Pounds per day - Drainage/Utilities/Sub-Grade		0.06	0.86	0.07	0.04	0.02	0.00	273.37	0.01	0.01	275.46	
Tons per const. Period - Drainage/Utilities/Sub-Grade		0.00	0.02	0.00	0.00	0.00	0.00	6.31	0.00	0.00	6.36	
Pounds per day - Paving		0.04	0.69	0.05	0.03	0.01	0.00	218.70	0.00	0.01	220.37	
Tons per const. Period - Paving		0.00	0.01	0.00	0.00	0.00	0.00	2.53	0.00	0.00	2.55	
Total tons per construction project		0.00	0.06	0.00	0.00	0.00	0.00	20.00	0.00	0.00	20.15	

Note: Water Truck default values can be overridden in cells D153 through D156, I153 through I156, and F153 through F156.

Water Truck Emissions		User Override of		Program Estimate of		User Override of Truck		Default Values		Calculated		User Override of		Default Values		Calculated	
User Input		Default # Water Trucks		Number of Water Trucks		Round Trips/Vehicle/Day		Round Trips/Vehicle/Day		Trips/day		Miles/Round Trip		Miles/Round Trip		Daily VMT	
Grubbing/Land Clearing - Exhaust				1				5		5				8.00		40.00	
Grading/Excavation - Exhaust				1				5		5				8.00		40.00	
Drainage/Utilities/Subgrade				1				5		5				8.00		40.00	
Paving				1				5		5				8.00		40.00	
Emission Rates		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e						
Grubbing/Land Clearing (grams/mile)		0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92						
Grading/Excavation (grams/mile)		0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92						
Draining/Utilities/Sub-Grade (grams/mile)		0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92						
Paving (grams/mile)		0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92						
Grubbing/Land Clearing (grams/trip)		0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
Grading/Excavation (grams/trip)		0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
Draining/Utilities/Sub-Grade (grams/trip)		0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
Paving (grams/trip)		0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
Emissions		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e						
Pounds per day - Grubbing/Land Clearing		0.00	0.04	0.32	0.01	0.00	0.00	149.35	0.00	0.02	156.34						
Tons per const. Period - Grubbing/Land Clearing		0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.00	0.00	1.20						
Pounds per day - Grading/Excavation		0.00	0.04	0.32	0.01	0.00	0.00	149.35	0.00	0.02	156.34						
Tons per const. Period - Grading/Excavation		0.00	0.00	0.01	0.00	0.00	0.00	5.17	0.00	0.00	5.42						
Pounds per day - Drainage/Utilities/Sub-Grade		0.00	0.04	0.32	0.01	0.00	0.00	149.35	0.00	0.02	156.34						
Tons per const. Period - Drainage/Utilities/Sub-Grade		0.00	0.00	0.01	0.00	0.00	0.00	3.45	0.00	0.00	3.61						
Pounds per day - Paving		0.00	0.04	0.32	0.01	0.00	0.00	149.35	0.00	0.02	156.34						
Tons per const. Period - Paving		0.00	0.00	0.00	0.00	0.00	0.00	1.72	0.00	0.00	1.81						
Total tons per construction project		0.00	0.00	0.02	0.00	0.00	0.00	11.50	0.00	0.00	12.04						

Note: Fugitive dust default values can be overridden in cells D183 through D185.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing			0.20	0.00	0.04	0.00
Fugitive Dust - Grading/Excavation			0.20	0.01	0.04	0.00
Fugitive Dust - Drainage/Utilities/Subgrade			0.20	0.00	0.04	0.00

Off-Road Equipment Emissions										
Grubbing/Land Clearing	Default		Mitigation Option		ROG	CO	NOx	PM10	PM2.5	SOx
	Number of Vehicles	Override of	Default	Type						
Override of Default Number of Vehicles	Program-estimate	Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Crawler Tractors	0.42	2.20	4.75	0.18	0.17	0.01
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Excavators	0.18	3.27	1.40	0.07	0.06	0.01
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00
	14		Model Default Tier	Signal Boards	0.80	4.21	5.03	0.20	0.20	0.01
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00
User-Defined Off-road Equipment										
					If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab					
	Number of Vehicles		Equipment Tier	Type	ROG	CO	NOx	PM10	PM2.5	SOx
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
		Grubbing/Land Clearing		pounds per day	1.41	9.88	11.18	0.45	0.43	0.02
		Grubbing/Land Clearing		tons per phase	0.01	0.07	0.09	0.00	0.00	0.00

Grading/Excavation	Default		Mitigation Option		ROG	CO	NOx	PM10	PM2.5	SOx
	Number of Vehicles	Override of	Default	Default						
Override of Default Number of Vehicles	Program-estimate	Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00
	0		Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Crawler Tractors	0.42	2.20	4.75	0.18	0.17	0.01
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00
1.00	3		Model Default Tier	Excavators	0.18	3.27	1.40	0.07	0.06	0.01
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Graders	0.35	1.66	4.16	0.13	0.12	0.01
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00
	2		Model Default Tier	Rollers	0.29	3.70	3.05	0.16	0.15	0.01
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Rubber Tired Loaders	0.25	1.50	2.33	0.08	0.07	0.01
	2		Model Default Tier	Scrapers	1.52	11.93	15.39	0.61	0.56	0.03
	14		Model Default Tier	Signal Boards	0.80	4.21	5.03	0.20	0.20	0.01
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00
	2		Model Default Tier	Tractors/Loaders/Backhoes	0.29	4.47	2.90	0.13	0.12	0.01
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00
User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab				ROG	CO	NOx	PM10	PM2.5	SOx
	Number of Vehicles		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	Grading/Excavation			pounds per day	4.12	32.94	39.00	1.56	1.45	0.08
	Grading/Excavation			tons per phase	0.14	1.14	1.35	0.05	0.05	0.00

Drainage/Utilities/Subgrade	Default		Mitigation Option		ROG	CO	NOx	PM10	PM2.5	SOx	
	Number of Vehicles	Override of	Default Equipment Tier (applicable only when	Default							
Override of Default Number of Vehicles	Program-estimate	"Tier 4 Mitigation" Option Selected)	Equipment Tier		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	
1.00	1		Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Air Compressors	0.24	2.41	1.63	0.08	0.08	0.00	
			Model Default Tier	Bore/Drill Rigs	0.11	1.02	0.95	0.03	0.03	0.00	
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	
	1		Model Default Tier	Generator Sets	0.29	3.66	2.54	0.11	0.11	0.01	
	1		Model Default Tier	Graders	0.35	1.66	4.16	0.13	0.12	0.01	
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	
	1		Model Default Tier	Plate Compactors	0.04	0.21	0.25	0.01	0.01	0.00	
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	
	1		Model Default Tier	Pumps	0.31	3.72	2.58	0.12	0.12	0.01	
			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	
	1		Model Default Tier	Rough Terrain Forklifts	0.10	2.29	1.35	0.04	0.04	0.00	
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	
	2		Model Default Tier	Scrapers	1.52	11.93	15.39	0.61	0.56	0.03	
	14		Model Default Tier	Signal Boards	0.80	4.21	5.03	0.20	0.20	0.01	
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	
	2		Model Default Tier	Tractors/Loaders/Backhoes	0.29	4.47	2.90	0.13	0.12	0.01	
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	
User-Defined Off-road Equipment											
If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab											
Number of Vehicles		Equipment Tier	Type		ROG	CO	NOx	PM10	PM2.5	SOx	
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
Drainage/Utilities/Sub-Grade					pounds per day	4.05	35.59	36.78	1.46	1.39	0.08
Drainage/Utilities/Sub-Grade					tons per phase	0.09	0.82	0.85	0.03	0.03	0.00

Paving	Default		Mitigation Option		ROG	CO	NOx	PM10	PM2.5	SOx
	Number of Vehicles	Override of	Default	Equipment Tier						
Override of Default Number of Vehicles	Program-estimate	Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Pavers	0.18	2.89	1.74	0.08	0.07	0.00
	1		Model Default Tier	Paving Equipment	0.16	2.57	1.50	0.07	0.07	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00
	3		Model Default Tier	Rollers	0.44	5.55	4.57	0.24	0.22	0.01
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00
	14		Model Default Tier	Signal Boards	0.80	4.21	5.03	0.20	0.20	0.01
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00
	2		Model Default Tier	Tractors/Loaders/Backhoes	0.29	4.47	2.90	0.13	0.12	0.01
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00
User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab				ROG	CO	NOx	PM10	PM2.5	SOx
	Number of Vehicles		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	Paving			pounds per day	1.88	19.70	15.74	0.72	0.68	0.03
	Paving			tons per phase	0.02	0.23	0.18	0.01	0.01	0.00
Total Emissions all Phases (tons per construction period) =>					0.27	2.27	2.47	0.10	0.09	0.01

CO2	CH4	N2O	CO2e
pounds/day	pounds/day	pounds/day	pounds/day
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
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
758.65	0.25	0.01	766.83
0.00	0.00	0.00	0.00
500.27	0.16	0.00	505.66
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
640.51	0.21	0.01	647.41
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
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
508.29	0.16	0.00	513.77
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
605.51	0.20	0.01	612.05
2,938.20	0.95	0.03	2,969.87
690.39	0.07	0.01	693.90
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
603.53	0.20	0.01	610.03
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
<hr/>			
CO2	CH4	N2O	CO2e
pounds/day	pounds/day	pounds/day	pounds/day
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
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
7,245.35	2.19	0.07	7,319.51
251.05	0.08	0.00	253.62

CO2	CH4	N2O	CO2e
pounds/day	pounds/day	pounds/day	pounds/day
0.00	0.00	0.00	0.00
375.26	0.02	0.00	376.63
458.68	0.15	0.00	463.63
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
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
623.04	0.03	0.00	625.06
640.51	0.21	0.01	647.41
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
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
34.48	0.00	0.00	34.65
0.00	0.00	0.00	0.00
623.04	0.03	0.00	625.12
0.00	0.00	0.00	0.00
333.74	0.11	0.00	337.33
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
2,938.20	0.95	0.03	2,969.87
690.39	0.07	0.01	693.90
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
603.53	0.20	0.01	610.03
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
<hr/>			
CO2	CH4	N2O	CO2e
pounds/day	pounds/day	pounds/day	pounds/day
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
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
0.00	0.00	0.00	0.00
7,320.86	1.76	0.06	7,383.63
169.11	0.04	0.00	170.56

CO2	CH4	N2O	CO2e
pounds/day	pounds/day	pounds/day	pounds/day
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
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
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
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
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
455.16	0.15	0.00	460.07
394.47	0.13	0.00	398.72
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
762.44	0.25	0.01	770.65
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
690.39	0.07	0.01	693.90
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
603.53	0.20	0.01	610.03
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
<hr/>			
CO2	CH4	N2O	CO2e
pounds/day	pounds/day	pounds/day	pounds/day
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
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
2,905.99	0.79	0.03	2,933.37
33.56	0.01	0.00	33.88
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468.74	0.13	0.00	473.20

Equipment default values for horsepower and hours/day can be overridden in cells D403 through D436 and F403 through F436.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63		8
Air Compressors		78		8
Bore/Drill Rigs		221	4.00	8
Cement and Mortar Mixers		9		8
Concrete/Industrial Saws		81		8
Cranes		231		8
Crawler Tractors		212		8
Crushing/Proc. Equipment		85		8
Excavators		158		8
Forklifts		89		8
Generator Sets		84		8
Graders		187		8
Off-Highway Tractors		124		8
Off-Highway Trucks		402		8
Other Construction Equipment		172		8
Other General Industrial Equipment		88		8
Other Material Handling Equipment		168		8
Pavers		130		8
Paving Equipment		132		8
Plate Compactors		8		8
Pressure Washers		13		8
Pumps		84		8
Rollers		80		8
Rough Terrain Forklifts		100		8
Rubber Tired Dozers		247		8
Rubber Tired Loaders		203		8
Scrapers		367		8
Signal Boards		6		8
Skid Steer Loaders		65		8
Surfacing Equipment		263		8
Sweepers/Scrubbers		64		8
Tractors/Loaders/Backhoes		97		8
Trenchers		78		8
Welders		46		8

END OF DATA ENTRY SHEET

WWTP Improvements - Yuba County, Annual

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

WWTP Improvements

Yuba County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	69.00	1000sqft	1.58	69,000.00	0
Other Non-Asphalt Surfaces	4.00	Acre	4.00	174,240.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2026
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - The parking area includes the emergency storage basin.
- Construction Phase - Provided by engineer
- Off-road Equipment - Provided by engineer
- Off-road Equipment - provided by engineers
- Off-road Equipment - Provided by engineer
- Trips and VMT - Provided by engineer
- Grading -
- Vehicle Trips - Construction model only
- Vehicle Emission Factors -
- Vehicle Emission Factors -

WWTP Improvements - Yuba County, Annual

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

Vehicle Emission Factors -

Consumer Products - n/a

Area Coating - n/a

Landscape Equipment - n/a

Energy Use - Construction model only

Water And Wastewater - n/a

Solid Waste - n/a

Stationary Sources - Emergency Generators and Fire Pumps -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	34500	0
tblAreaCoating	Area_Nonresidential_Interior	103500	0
tblAreaCoating	Area_Parking	10454	0
tblConstructionPhase	NumDays	230.00	76.00
tblConstructionPhase	NumDays	230.00	55.00
tblConstructionPhase	NumDays	10.00	129.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblGrading	MaterialExported	0.00	150,401.00
tblGrading	MaterialImported	0.00	4,403.00
tblLandscapeEquipment	NumberSummerDays	180	0
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

WWTP Improvements - Yuba County, Annual

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	64.86	0.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripNumber	19,351.00	690.00
tblTripsAndVMT	HaulingTripNumber	0.00	150.00
tblTripsAndVMT	VendorTripLength	7.30	0.00
tblTripsAndVMT	VendorTripLength	7.30	50.00
tblTripsAndVMT	VendorTripLength	7.30	50.00
tblTripsAndVMT	VendorTripNumber	40.00	10.00
tblTripsAndVMT	VendorTripNumber	40.00	4.00
tblTripsAndVMT	WorkerTripLength	10.80	15.00
tblTripsAndVMT	WorkerTripLength	10.80	30.00
tblTripsAndVMT	WorkerTripLength	10.80	30.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	102.00	35.00
tblTripsAndVMT	WorkerTripNumber	102.00	15.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	15,956,250.00	0.00

WWTP Improvements - Yuba County, Annual

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2025	6/30/2025	5	129	
2	Building Construction	Building Construction	7/1/2025	10/14/2025	5	76	
3	MEP	Building Construction	10/15/2025	12/30/2025	5	55	

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Acres of Grading (Site Preparation Phase): 193.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 4

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
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
MEP	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	4	20.00	0.00	690.00	15.00	0.00	5.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	35.00	10.00	150.00	30.00	50.00	50.00	LD_Mix	HDT_Mix	HHDT
MEP	0	15.00	4.00	0.00	30.00	50.00	50.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Site Preparation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1180	0.0000	0.1180	0.0134	0.0000	0.0134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0804	0.8061	0.7375	1.8100e-003		0.0303	0.0303		0.0279	0.0279	0.0000	158.7176	158.7176	0.0513	0.0000	160.0009
Total	0.0804	0.8061	0.7375	1.8100e-003	0.1180	0.0303	0.1484	0.0134	0.0279	0.0413	0.0000	158.7176	158.7176	0.0513	0.0000	160.0009

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.8000e-004	0.0208	5.7800e-003	6.0000e-005	1.4500e-003	1.2000e-004	1.5700e-003	4.0000e-004	1.1000e-004	5.1000e-004	0.0000	6.0204	6.0204	2.0000e-005	9.5000e-004	6.3029
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4900e-003	3.0100e-003	0.0383	1.1000e-004	0.0141	6.0000e-005	0.0142	3.7500e-003	6.0000e-005	3.8100e-003	0.0000	10.8548	10.8548	2.6000e-004	2.8000e-004	10.9456
Total	4.9700e-003	0.0238	0.0441	1.7000e-004	0.0155	1.8000e-004	0.0157	4.1500e-003	1.7000e-004	4.3200e-003	0.0000	16.8752	16.8752	2.8000e-004	1.2300e-003	17.2485

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3.2 Site Preparation - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1180	0.0000	0.1180	0.0134	0.0000	0.0134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0804	0.8061	0.7375	1.8100e-003		0.0303	0.0303		0.0279	0.0279	0.0000	158.7174	158.7174	0.0513	0.0000	160.0007
Total	0.0804	0.8061	0.7375	1.8100e-003	0.1180	0.0303	0.1484	0.0134	0.0279	0.0413	0.0000	158.7174	158.7174	0.0513	0.0000	160.0007

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.8000e-004	0.0208	5.7800e-003	6.0000e-005	1.4500e-003	1.2000e-004	1.5700e-003	4.0000e-004	1.1000e-004	5.1000e-004	0.0000	6.0204	6.0204	2.0000e-005	9.5000e-004	6.3029
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4900e-003	3.0100e-003	0.0383	1.1000e-004	0.0141	6.0000e-005	0.0142	3.7500e-003	6.0000e-005	3.8100e-003	0.0000	10.8548	10.8548	2.6000e-004	2.8000e-004	10.9456
Total	4.9700e-003	0.0238	0.0441	1.7000e-004	0.0155	1.8000e-004	0.0157	4.1500e-003	1.7000e-004	4.3200e-003	0.0000	16.8752	16.8752	2.8000e-004	1.2300e-003	17.2485

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3.3 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0637	0.5281	0.6490	1.1100e-003		0.0208	0.0208		0.0198	0.0198	0.0000	93.2312	93.2312	0.0191	0.0000	93.7086
Total	0.0637	0.5281	0.6490	1.1100e-003		0.0208	0.0208		0.0198	0.0198	0.0000	93.2312	93.2312	0.0191	0.0000	93.7086

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.1000e-004	0.0319	3.5200e-003	1.2000e-004	3.1300e-003	2.5000e-004	3.3800e-003	8.6000e-004	2.4000e-004	1.1000e-003	0.0000	11.4990	11.4990	2.0000e-005	1.8100e-003	12.0380
Vendor	2.2300e-003	0.1261	0.0158	5.3000e-004	0.0169	8.8000e-004	0.0178	4.8800e-003	8.5000e-004	5.7200e-003	0.0000	50.7040	50.7040	1.0000e-004	7.2800e-003	52.8752
Worker	7.5000e-003	5.5200e-003	0.0718	2.3000e-004	0.0290	1.3000e-004	0.0292	7.7200e-003	1.2000e-004	7.8400e-003	0.0000	22.1524	22.1524	3.8000e-004	5.1000e-004	22.3131
Total	0.0101	0.1635	0.0912	8.8000e-004	0.0490	1.2600e-003	0.0503	0.0135	1.2100e-003	0.0147	0.0000	84.3554	84.3554	5.0000e-004	9.6000e-003	87.2263

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

3.3 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0637	0.5281	0.6490	1.1100e-003		0.0208	0.0208		0.0198	0.0198	0.0000	93.2311	93.2311	0.0191	0.0000	93.7085
Total	0.0637	0.5281	0.6490	1.1100e-003		0.0208	0.0208		0.0198	0.0198	0.0000	93.2311	93.2311	0.0191	0.0000	93.7085

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.1000e-004	0.0319	3.5200e-003	1.2000e-004	3.1300e-003	2.5000e-004	3.3800e-003	8.6000e-004	2.4000e-004	1.1000e-003	0.0000	11.4990	11.4990	2.0000e-005	1.8100e-003	12.0380
Vendor	2.2300e-003	0.1261	0.0158	5.3000e-004	0.0169	8.8000e-004	0.0178	4.8800e-003	8.5000e-004	5.7200e-003	0.0000	50.7040	50.7040	1.0000e-004	7.2800e-003	52.8752
Worker	7.5000e-003	5.5200e-003	0.0718	2.3000e-004	0.0290	1.3000e-004	0.0292	7.7200e-003	1.2000e-004	7.8400e-003	0.0000	22.1524	22.1524	3.8000e-004	5.1000e-004	22.3131
Total	0.0101	0.1635	0.0912	8.8000e-004	0.0490	1.2600e-003	0.0503	0.0135	1.2100e-003	0.0147	0.0000	84.3554	84.3554	5.0000e-004	9.6000e-003	87.2263

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3.4 MEP - 2025

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5000e-004	0.0365	4.5800e-003	1.5000e-004	4.8900e-003	2.6000e-004	5.1400e-003	1.4100e-003	2.4000e-004	1.6600e-003	0.0000	14.6775	14.6775	3.0000e-005	2.1100e-003	15.3060
Worker	2.3300e-003	1.7100e-003	0.0223	7.0000e-005	9.0000e-003	4.0000e-005	9.0400e-003	2.3900e-003	4.0000e-005	2.4300e-003	0.0000	6.8706	6.8706	1.2000e-004	1.6000e-004	6.9204
Total	2.9800e-003	0.0382	0.0269	2.2000e-004	0.0139	3.0000e-004	0.0142	3.8000e-003	2.8000e-004	4.0900e-003	0.0000	21.5480	21.5480	1.5000e-004	2.2700e-003	22.2264

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3.4 MEP - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	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	6.5000e-004	0.0365	4.5800e-003	1.5000e-004	4.8900e-003	2.6000e-004	5.1400e-003	1.4100e-003	2.4000e-004	1.6600e-003	0.0000	14.6775	14.6775	3.0000e-005	2.1100e-003	15.3060
Worker	2.3300e-003	1.7100e-003	0.0223	7.0000e-005	9.0000e-003	4.0000e-005	9.0400e-003	2.3900e-003	4.0000e-005	2.4300e-003	0.0000	6.8706	6.8706	1.2000e-004	1.6000e-004	6.9204
Total	2.9800e-003	0.0382	0.0269	2.2000e-004	0.0139	3.0000e-004	0.0142	3.8000e-003	2.8000e-004	4.0900e-003	0.0000	21.5480	21.5480	1.5000e-004	2.2700e-003	22.2264

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	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No Rail	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.534684	0.050037	0.170358	0.142948	0.038844	0.008268	0.006546	0.005636	0.000554	0.001433	0.034157	0.002369	0.004166

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

5.3 Energy by Land Use - Electricity

Unmitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr		
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000

Mitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr		
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000

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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	0.0000	0.0000	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

7.0 Water Detail

7.1 Mitigation Measures Water

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	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			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated 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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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated 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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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Unmitigated

Waste Disposed	Total CO2	CH4	N2O	CO2e
tons	MT/yr			
0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces				0.0000
Unrefrigerated Warehouse-No Rail				0.0000
				Total

Mitigated

Waste Disposed	Total CO2	CH4	N2O	CO2e
tons	MT/yr			
0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces				0.0000
Unrefrigerated Warehouse-No Rail				0.0000
				Total

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

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

WWTP Improvements - Yuba County, Summer

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

WWTP Improvements

Yuba County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	69.00	1000sqft	1.58	69,000.00	0
Other Non-Asphalt Surfaces	4.00	Acre	4.00	174,240.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2026
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - The parking area includes the emergency storage basin.
- Construction Phase - Provided by engineer
- Off-road Equipment - Provided by engineer
- Off-road Equipment - provided by engineers
- Off-road Equipment - Provided by engineer
- Trips and VMT - Provided by engineer
- Grading -
- Vehicle Trips - Construction model only
- Vehicle Emission Factors -
- Vehicle Emission Factors -

WWTP Improvements - Yuba County, Summer

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

Vehicle Emission Factors -

Consumer Products - n/a

Area Coating - n/a

Landscape Equipment - n/a

Energy Use - Construction model only

Water And Wastewater - n/a

Solid Waste - n/a

Stationary Sources - Emergency Generators and Fire Pumps -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	34500	0
tblAreaCoating	Area_Nonresidential_Interior	103500	0
tblAreaCoating	Area_Parking	10454	0
tblConstructionPhase	NumDays	230.00	76.00
tblConstructionPhase	NumDays	230.00	55.00
tblConstructionPhase	NumDays	10.00	129.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblGrading	MaterialExported	0.00	150,401.00
tblGrading	MaterialImported	0.00	4,403.00
tblLandscapeEquipment	NumberSummerDays	180	0
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

WWTP Improvements - Yuba County, Summer

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	64.86	0.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripNumber	19,351.00	690.00
tblTripsAndVMT	HaulingTripNumber	0.00	150.00
tblTripsAndVMT	VendorTripLength	7.30	0.00
tblTripsAndVMT	VendorTripLength	7.30	50.00
tblTripsAndVMT	VendorTripLength	7.30	50.00
tblTripsAndVMT	VendorTripNumber	40.00	10.00
tblTripsAndVMT	VendorTripNumber	40.00	4.00
tblTripsAndVMT	WorkerTripLength	10.80	15.00
tblTripsAndVMT	WorkerTripLength	10.80	30.00
tblTripsAndVMT	WorkerTripLength	10.80	30.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	102.00	35.00
tblTripsAndVMT	WorkerTripNumber	102.00	15.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	15,956,250.00	0.00

WWTP Improvements - Yuba County, Summer

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

WWTP Improvements - Yuba County, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.8000e-004	7.0000e-005	7.4300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0160	0.0160	4.0000e-005		0.0170
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	0.0000	0.0000	0.0000	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	6.8000e-004	7.0000e-005	7.4300e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005		0.0160	0.0160	4.0000e-005	0.0000	0.0170

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.8000e-004	7.0000e-005	7.4300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0160	0.0160	4.0000e-005		0.0170
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	0.0000	0.0000	0.0000	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	6.8000e-004	7.0000e-005	7.4300e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005		0.0160	0.0160	4.0000e-005	0.0000	0.0170

WWTP Improvements - Yuba County, Summer

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2025	6/30/2025	5	129	
2	Building Construction	Building Construction	7/1/2025	10/14/2025	5	76	
3	MEP	Building Construction	10/15/2025	12/30/2025	5	55	

Acres of Grading (Site Preparation Phase): 193.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 4

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
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45

WWTP Improvements - Yuba County, Summer

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

MEP	Tractors/Loaders/Backhoes	0	8.00	97	0.37
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	4	20.00	0.00	690.00	15.00	0.00	5.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	35.00	10.00	150.00	30.00	50.00	50.00	LD_Mix	HDT_Mix	HHDT
MEP	0	15.00	4.00	0.00	30.00	50.00	50.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.8298	0.0000	1.8298	0.2080	0.0000	0.2080			0.0000			0.0000
Off-Road	1.2472	12.4977	11.4340	0.0280		0.4702	0.4702		0.4326	0.4326		2,712.498 4	2,712.498 4	0.8773		2,734.430 4
Total	1.2472	12.4977	11.4340	0.0280	1.8298	0.4702	2.3000	0.2080	0.4326	0.6405		2,712.498 4	2,712.498 4	0.8773		2,734.430 4

WWTP Improvements - Yuba County, Summer

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

3.2 Site Preparation - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.7300e-003	0.3070	0.0886	9.7000e-004	0.0233	1.8300e-003	0.0251	6.3800e-003	1.7500e-003	8.1300e-003		102.7915	102.7915	3.6000e-004	0.0162	107.6150
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0802	0.0419	0.7028	1.9500e-003	0.2281	1.0000e-003	0.2291	0.0605	9.2000e-004	0.0614		203.4874	203.4874	4.3100e-003	4.4900e-003	204.9344
Total	0.0879	0.3489	0.7914	2.9200e-003	0.2514	2.8300e-003	0.2542	0.0669	2.6700e-003	0.0696		306.2788	306.2788	4.6700e-003	0.0207	312.5494

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.8298	0.0000	1.8298	0.2080	0.0000	0.2080			0.0000			0.0000
Off-Road	1.2472	12.4977	11.4340	0.0280		0.4702	0.4702		0.4326	0.4326	0.0000	2,712.4984	2,712.4984	0.8773		2,734.4304
Total	1.2472	12.4977	11.4340	0.0280	1.8298	0.4702	2.3000	0.2080	0.4326	0.6405	0.0000	2,712.4984	2,712.4984	0.8773		2,734.4304

WWTP Improvements - Yuba County, Summer

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

3.2 Site Preparation - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.7300e-003	0.3070	0.0886	9.7000e-004	0.0233	1.8300e-003	0.0251	6.3800e-003	1.7500e-003	8.1300e-003		102.7915	102.7915	3.6000e-004	0.0162	107.6150
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0802	0.0419	0.7028	1.9500e-003	0.2281	1.0000e-003	0.2291	0.0605	9.2000e-004	0.0614		203.4874	203.4874	4.3100e-003	4.4900e-003	204.9344
Total	0.0879	0.3489	0.7914	2.9200e-003	0.2514	2.8300e-003	0.2542	0.0669	2.6700e-003	0.0696		306.2788	306.2788	4.6700e-003	0.0207	312.5494

3.3 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6766	13.8968	17.0777	0.0293		0.5485	0.5485		0.5221	0.5221		2,704.4674	2,704.4674	0.5540		2,718.3183
Total	1.6766	13.8968	17.0777	0.0293		0.5485	0.5485		0.5221	0.5221		2,704.4674	2,704.4674	0.5540		2,718.3183

WWTP Improvements - Yuba County, Summer

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

3.3 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0108	0.7908	0.0926	3.1500e-003	0.0856	6.4900e-003	0.0921	0.0234	6.2100e-003	0.0296		333.5306	333.5306	5.2000e-004	0.0524	349.1629
Vendor	0.0593	3.1198	0.4185	0.0140	0.4607	0.0233	0.4840	0.1324	0.0222	0.1546		1,470.7566	1,470.7566	2.8800e-003	0.2109	1,533.6844
Worker	0.2164	0.1299	2.3084	6.7700e-003	0.7980	3.3500e-003	0.8014	0.2116	3.0800e-003	0.2147		705.3882	705.3882	0.0113	0.0137	709.7453
Total	0.2865	4.0405	2.8195	0.0239	1.3444	0.0331	1.3775	0.3674	0.0315	0.3989		2,509.6754	2,509.6754	0.0147	0.2770	2,592.5926

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6766	13.8968	17.0777	0.0293		0.5485	0.5485		0.5221	0.5221	0.0000	2,704.4674	2,704.4674	0.5540		2,718.3183
Total	1.6766	13.8968	17.0777	0.0293		0.5485	0.5485		0.5221	0.5221	0.0000	2,704.4674	2,704.4674	0.5540		2,718.3183

WWTP Improvements - Yuba County, Summer

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

3.3 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0108	0.7908	0.0926	3.1500e-003	0.0856	6.4900e-003	0.0921	0.0234	6.2100e-003	0.0296		333.5306	333.5306	5.2000e-004	0.0524	349.1629
Vendor	0.0593	3.1198	0.4185	0.0140	0.4607	0.0233	0.4840	0.1324	0.0222	0.1546		1,470.7566	1,470.7566	2.8800e-003	0.2109	1,533.6844
Worker	0.2164	0.1299	2.3084	6.7700e-003	0.7980	3.3500e-003	0.8014	0.2116	3.0800e-003	0.2147		705.3882	705.3882	0.0113	0.0137	709.7453
Total	0.2865	4.0405	2.8195	0.0239	1.3444	0.0331	1.3775	0.3674	0.0315	0.3989		2,509.6754	2,509.6754	0.0147	0.2770	2,592.5926

3.4 MEP - 2025

Unmitigated Construction On-Site

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

WWTP Improvements - Yuba County, Summer

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

3.4 MEP - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0237	1.2479	0.1674	5.5800e-003	0.1843	9.3000e-003	0.1936	0.0529	8.8900e-003	0.0618		588.3026	588.3026	1.1500e-003	0.0844	613.4738
Worker	0.0927	0.0557	0.9893	2.9000e-003	0.3420	1.4300e-003	0.3435	0.0907	1.3200e-003	0.0920		302.3092	302.3092	4.8500e-003	5.8600e-003	304.1766
Total	0.1165	1.3036	1.1567	8.4800e-003	0.5263	0.0107	0.5370	0.1436	0.0102	0.1538		890.6119	890.6119	6.0000e-003	0.0902	917.6503

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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

WWTP Improvements - Yuba County, Summer

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

3.4 MEP - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0237	1.2479	0.1674	5.5800e-003	0.1843	9.3000e-003	0.1936	0.0529	8.8900e-003	0.0618		588.3026	588.3026	1.1500e-003	0.0844	613.4738
Worker	0.0927	0.0557	0.9893	2.9000e-003	0.3420	1.4300e-003	0.3435	0.0907	1.3200e-003	0.0920		302.3092	302.3092	4.8500e-003	5.8600e-003	304.1766
Total	0.1165	1.3036	1.1567	8.4800e-003	0.5263	0.0107	0.5370	0.1436	0.0102	0.1538		890.6119	890.6119	6.0000e-003	0.0902	917.6503

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

WWTP Improvements - Yuba County, Summer

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

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No Rail	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.534684	0.050037	0.170358	0.142948	0.038844	0.008268	0.006546	0.005636	0.000554	0.001433	0.034157	0.002369	0.004166
Other Non-Asphalt Surfaces	0.534684	0.050037	0.170358	0.142948	0.038844	0.008268	0.006546	0.005636	0.000554	0.001433	0.034157	0.002369	0.004166

WWTP Improvements - Yuba County, Summer

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

WWTP Improvements - Yuba County, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

NaturalGas Use	Land Use	KBTU/yr	lb/day													Total			
			CO _{2e}	N ₂ O	CH ₄	Total CO ₂	NBIO-CO ₂	BIO-CO ₂	PM _{2.5} Total	Exhaust PM _{2.5}	Fugitive PM _{2.5}	PM ₁₀ Total	Exhaust PM ₁₀	Fugitive PM ₁₀	SO ₂		CO	NO _x	ROG
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated 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	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	0.0000

Mitigated

NaturalGas Use	Land Use	KBTU/yr	lb/day													Total			
			CO _{2e}	N ₂ O	CH ₄	Total CO ₂	NBIO-CO ₂	BIO-CO ₂	PM _{2.5} Total	Exhaust PM _{2.5}	Fugitive PM _{2.5}	PM ₁₀ Total	Exhaust PM ₁₀	Fugitive PM ₁₀	SO ₂		CO	NO _x	ROG
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated 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	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	0.0000

6.0 Area Detail

WWTP Improvements - Yuba County, Summer

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.8000e-004	7.0000e-005	7.4300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0160	0.0160	4.0000e-005		0.0170
Unmitigated	6.8000e-004	7.0000e-005	7.4300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0160	0.0160	4.0000e-005		0.0170

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	6.8000e-004	7.0000e-005	7.4300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0160	0.0160	4.0000e-005		0.0170
Total	6.8000e-004	7.0000e-005	7.4300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0160	0.0160	4.0000e-005		0.0170

WWTP Improvements - Yuba County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	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	6.8000e-004	7.0000e-005	7.4300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0160	0.0160	4.0000e-005		0.0170
Total	6.8000e-004	7.0000e-005	7.4300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0160	0.0160	4.0000e-005		0.0170

7.0 Water Detail

7.1 Mitigation Measures Water

WWTP Improvements - Yuba County, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

WWTP Improvements - Yuba County, Winter

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

WWTP Improvements

Yuba County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	69.00	1000sqft	1.58	69,000.00	0
Other Non-Asphalt Surfaces	4.00	Acre	4.00	174,240.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2026
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - The parking area includes the emergency storage basin.
- Construction Phase - Provided by engineer
- Off-road Equipment - Provided by engineer
- Off-road Equipment - provided by engineers
- Off-road Equipment - Provided by engineer
- Trips and VMT - Provided by engineer
- Grading -
- Vehicle Trips - Construction model only
- Vehicle Emission Factors -
- Vehicle Emission Factors -

WWTP Improvements - Yuba County, Winter

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

Vehicle Emission Factors -

Consumer Products - n/a

Area Coating - n/a

Landscape Equipment - n/a

Energy Use - Construction model only

Water And Wastewater - n/a

Solid Waste - n/a

Stationary Sources - Emergency Generators and Fire Pumps -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	34500	0
tblAreaCoating	Area_Nonresidential_Interior	103500	0
tblAreaCoating	Area_Parking	10454	0
tblConstructionPhase	NumDays	230.00	76.00
tblConstructionPhase	NumDays	230.00	55.00
tblConstructionPhase	NumDays	10.00	129.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblGrading	MaterialExported	0.00	150,401.00
tblGrading	MaterialImported	0.00	4,403.00
tblLandscapeEquipment	NumberSummerDays	180	0
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

WWTP Improvements - Yuba County, Winter

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	64.86	0.00
tblTripsAndVMT	HaulingTripLength	20.00	5.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripNumber	19,351.00	690.00
tblTripsAndVMT	HaulingTripNumber	0.00	150.00
tblTripsAndVMT	VendorTripLength	7.30	0.00
tblTripsAndVMT	VendorTripLength	7.30	50.00
tblTripsAndVMT	VendorTripLength	7.30	50.00
tblTripsAndVMT	VendorTripNumber	40.00	10.00
tblTripsAndVMT	VendorTripNumber	40.00	4.00
tblTripsAndVMT	WorkerTripLength	10.80	15.00
tblTripsAndVMT	WorkerTripLength	10.80	30.00
tblTripsAndVMT	WorkerTripLength	10.80	30.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	102.00	35.00
tblTripsAndVMT	WorkerTripNumber	102.00	15.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	15,956,250.00	0.00

WWTP Improvements - Yuba County, Winter

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

WWTP Improvements - Yuba County, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.8000e-004	7.0000e-005	7.4300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0160	0.0160	4.0000e-005		0.0170
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	0.0000	0.0000	0.0000	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	6.8000e-004	7.0000e-005	7.4300e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005		0.0160	0.0160	4.0000e-005	0.0000	0.0170

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.8000e-004	7.0000e-005	7.4300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0160	0.0160	4.0000e-005		0.0170
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	0.0000	0.0000	0.0000	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	6.8000e-004	7.0000e-005	7.4300e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005		0.0160	0.0160	4.0000e-005	0.0000	0.0170

WWTP Improvements - Yuba County, Winter

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2025	6/30/2025	5	129	
2	Building Construction	Building Construction	7/1/2025	10/14/2025	5	76	
3	MEP	Building Construction	10/15/2025	12/30/2025	5	55	

Acres of Grading (Site Preparation Phase): 193.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 4

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
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45

WWTP Improvements - Yuba County, Winter

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

MEP	Tractors/Loaders/Backhoes	0	8.00	97	0.37
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	4	20.00	0.00	690.00	15.00	0.00	5.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	35.00	10.00	150.00	30.00	50.00	50.00	LD_Mix	HDT_Mix	HHDT
MEP	0	15.00	4.00	0.00	30.00	50.00	50.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.8298	0.0000	1.8298	0.2080	0.0000	0.2080			0.0000			0.0000
Off-Road	1.2472	12.4977	11.4340	0.0280		0.4702	0.4702		0.4326	0.4326		2,712.498 4	2,712.498 4	0.8773		2,734.430 4
Total	1.2472	12.4977	11.4340	0.0280	1.8298	0.4702	2.3000	0.2080	0.4326	0.6405		2,712.498 4	2,712.498 4	0.8773		2,734.430 4

WWTP Improvements - Yuba County, Winter

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

3.2 Site Preparation - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.0800e-003	0.3303	0.0911	9.7000e-004	0.0233	1.8500e-003	0.0252	6.3800e-003	1.7700e-003	8.1500e-003		103.0226	103.0226	3.3000e-004	0.0162	107.8569
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0735	0.0523	0.5936	1.7400e-003	0.2281	1.0000e-003	0.2291	0.0605	9.2000e-004	0.0614		180.8011	180.8011	4.8100e-003	5.2100e-003	182.4739
Total	0.0806	0.3826	0.6847	2.7100e-003	0.2514	2.8500e-003	0.2543	0.0669	2.6900e-003	0.0696		283.8237	283.8237	5.1400e-003	0.0214	290.3308

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.8298	0.0000	1.8298	0.2080	0.0000	0.2080			0.0000			0.0000
Off-Road	1.2472	12.4977	11.4340	0.0280		0.4702	0.4702		0.4326	0.4326	0.0000	2,712.4984	2,712.4984	0.8773		2,734.4304
Total	1.2472	12.4977	11.4340	0.0280	1.8298	0.4702	2.3000	0.2080	0.4326	0.6405	0.0000	2,712.4984	2,712.4984	0.8773		2,734.4304

WWTP Improvements - Yuba County, Winter

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

3.2 Site Preparation - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.0800e-003	0.3303	0.0911	9.7000e-004	0.0233	1.8500e-003	0.0252	6.3800e-003	1.7700e-003	8.1500e-003		103.0226	103.0226	3.3000e-004	0.0162	107.8569
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0735	0.0523	0.5936	1.7400e-003	0.2281	1.0000e-003	0.2291	0.0605	9.2000e-004	0.0614		180.8011	180.8011	4.8100e-003	5.2100e-003	182.4739
Total	0.0806	0.3826	0.6847	2.7100e-003	0.2514	2.8500e-003	0.2543	0.0669	2.6900e-003	0.0696		283.8237	283.8237	5.1400e-003	0.0214	290.3308

3.3 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6766	13.8968	17.0777	0.0293		0.5485	0.5485		0.5221	0.5221		2,704.4674	2,704.4674	0.5540		2,718.3183
Total	1.6766	13.8968	17.0777	0.0293		0.5485	0.5485		0.5221	0.5221		2,704.4674	2,704.4674	0.5540		2,718.3183

WWTP Improvements - Yuba County, Winter

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

3.3 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0106	0.8571	0.0926	3.1500e-003	0.0856	6.4900e-003	0.0921	0.0234	6.2100e-003	0.0296		333.6143	333.6143	5.1000e-004	0.0524	349.2526
Vendor	0.0600	3.3854	0.4154	0.0140	0.4607	0.0233	0.4840	0.1324	0.0223	0.1546		1,470.9367	1,470.9367	2.7900e-003	0.2112	1,533.9538
Worker	0.2160	0.1624	1.8459	6.0100e-003	0.7980	3.3500e-003	0.8014	0.2116	3.0800e-003	0.2147		626.0877	626.0877	0.0114	0.0159	631.0997
Total	0.2865	4.4049	2.3539	0.0231	1.3444	0.0331	1.3775	0.3674	0.0316	0.3989		2,430.6387	2,430.6387	0.0147	0.2795	2,514.3061

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6766	13.8968	17.0777	0.0293		0.5485	0.5485		0.5221	0.5221	0.0000	2,704.4674	2,704.4674	0.5540		2,718.3183
Total	1.6766	13.8968	17.0777	0.0293		0.5485	0.5485		0.5221	0.5221	0.0000	2,704.4674	2,704.4674	0.5540		2,718.3183

WWTP Improvements - Yuba County, Winter

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

3.3 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0106	0.8571	0.0926	3.1500e-003	0.0856	6.4900e-003	0.0921	0.0234	6.2100e-003	0.0296		333.6143	333.6143	5.1000e-004	0.0524	349.2526
Vendor	0.0600	3.3854	0.4154	0.0140	0.4607	0.0233	0.4840	0.1324	0.0223	0.1546		1,470.9367	1,470.9367	2.7900e-003	0.2112	1,533.9538
Worker	0.2160	0.1624	1.8459	6.0100e-003	0.7980	3.3500e-003	0.8014	0.2116	3.0800e-003	0.2147		626.0877	626.0877	0.0114	0.0159	631.0997
Total	0.2865	4.4049	2.3539	0.0231	1.3444	0.0331	1.3775	0.3674	0.0316	0.3989		2,430.6387	2,430.6387	0.0147	0.2795	2,514.3061

3.4 MEP - 2025

Unmitigated Construction On-Site

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

WWTP Improvements - Yuba County, Winter

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

3.4 MEP - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0240	1.3542	0.1662	5.5800e-003	0.1843	9.3100e-003	0.1936	0.0529	8.9000e-003	0.0619		588.3747	588.3747	1.1200e-003	0.0845	613.5815
Worker	0.0926	0.0696	0.7911	2.5800e-003	0.3420	1.4300e-003	0.3435	0.0907	1.3200e-003	0.0920		268.3233	268.3233	4.8800e-003	6.8000e-003	270.4713
Total	0.1166	1.4237	0.9573	8.1600e-003	0.5263	0.0107	0.5371	0.1436	0.0102	0.1539		856.6980	856.6980	6.0000e-003	0.0913	884.0528

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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

WWTP Improvements - Yuba County, Winter

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

3.4 MEP - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0240	1.3542	0.1662	5.5800e-003	0.1843	9.3100e-003	0.1936	0.0529	8.9000e-003	0.0619		588.3747	588.3747	1.1200e-003	0.0845	613.5815
Worker	0.0926	0.0696	0.7911	2.5800e-003	0.3420	1.4300e-003	0.3435	0.0907	1.3200e-003	0.0920		268.3233	268.3233	4.8800e-003	6.8000e-003	270.4713
Total	0.1166	1.4237	0.9573	8.1600e-003	0.5263	0.0107	0.5371	0.1436	0.0102	0.1539		856.6980	856.6980	6.0000e-003	0.0913	884.0528

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

WWTP Improvements - Yuba County, Winter

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

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No Rail	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.534684	0.050037	0.170358	0.142948	0.038844	0.008268	0.006546	0.005636	0.000554	0.001433	0.034157	0.002369	0.004166
Other Non-Asphalt Surfaces	0.534684	0.050037	0.170358	0.142948	0.038844	0.008268	0.006546	0.005636	0.000554	0.001433	0.034157	0.002369	0.004166

WWTP Improvements - Yuba County, Winter

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

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

WWTP Improvements - Yuba County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

NaturalGas Use	Land Use	KBTU/yr	lb/day													Total				
			CO _{2e}	N ₂ O	CH ₄	Total CO ₂	NBIO-CO ₂	BIO-CO ₂	PM _{2.5} Total	Exhaust PM _{2.5}	Fugitive PM _{2.5}	PM ₁₀ Total	Exhaust PM ₁₀	Fugitive PM ₁₀	SO ₂		CO	NO _x	ROG	
0	Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0	Unrefrigerated 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	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	0.0000	0.0000

Mitigated

NaturalGas Use	Land Use	KBTU/yr	lb/day													Total				
			CO _{2e}	N ₂ O	CH ₄	Total CO ₂	NBIO-CO ₂	BIO-CO ₂	PM _{2.5} Total	Exhaust PM _{2.5}	Fugitive PM _{2.5}	PM ₁₀ Total	Exhaust PM ₁₀	Fugitive PM ₁₀	SO ₂		CO	NO _x	ROG	
0	Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0	Unrefrigerated 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	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	0.0000	0.0000

WWTP Improvements - Yuba County, Winter

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.8000e-004	7.0000e-005	7.4300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0160	0.0160	4.0000e-005		0.0170
Unmitigated	6.8000e-004	7.0000e-005	7.4300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0160	0.0160	4.0000e-005		0.0170

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	6.8000e-004	7.0000e-005	7.4300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0160	0.0160	4.0000e-005		0.0170
Total	6.8000e-004	7.0000e-005	7.4300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0160	0.0160	4.0000e-005		0.0170

WWTP Improvements - Yuba County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	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	6.8000e-004	7.0000e-005	7.4300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0160	0.0160	4.0000e-005		0.0170
Total	6.8000e-004	7.0000e-005	7.4300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0160	0.0160	4.0000e-005		0.0170

7.0 Water Detail

7.1 Mitigation Measures Water

WWTP Improvements - Yuba County, Winter

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Boilers

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

Equipment Type	Number
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11.0 Vegetation

Road Construction Emissions Model, Version 9.0.0

Daily Emission Estimates for -> Wastewater Pipeline - SCSA Force Main														
Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	1.63	11.31	12.63	0.73	0.53	0.20	0.53	0.49	0.04	0.03	2,465.29	0.50	0.05	2,491.80
Grading/Excavation	4.40	35.55	46.76	2.08	1.88	0.20	1.66	1.61	0.04	0.12	11,176.30	2.22	0.62	11,417.77
Drainage/Utilities/Sub-Grade	4.05	36.88	39.90	1.76	1.56	0.20	1.40	1.36	0.04	0.11	10,649.30	1.78	0.53	10,851.35
Paving	2.02	21.31	16.96	0.76	0.76	0.00	0.69	0.69	0.00	0.04	3,744.35	0.81	0.11	3,796.49
Maximum (pounds/day)	4.40	36.88	46.76	2.08	1.88	0.20	1.66	1.61	0.04	0.12	11,176.30	2.22	0.62	11,417.77
Total (tons/construction project)	0.34	2.93	3.44	0.15	0.14	0.02	0.12	0.12	0.00	0.01	844.52	0.16	0.04	861.33

Notes:
 Project Start Year -> 2024
 Project Length (months) -> 9
 Total Project Area (acres) -> 3
 Maximum Area Disturbed/Day (acres) -> 0
 Water Truck Used? -> Yes

Phase	Total Material Imported/Exported Volume (yd ³ /day)		Daily VMT (miles/day)			
	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	320	40
Grading/Excavation	480	0	900	0	400	40
Drainage/Utilities/Sub-Grade	400	0	750	0	400	40
Paving	0	48	0	90	320	40

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Wastewater Pipeline - SCSA Force Main														
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.02	0.11	0.12	0.01	0.00	0.00	0.00	0.00	0.00	0.00	23.05	0.00	0.00	21.14
Grading/Excavation	0.19	1.50	1.97	0.09	0.08	0.01	0.07	0.07	0.00	0.00	470.24	0.09	0.03	435.82
Drainage/Utilities/Sub-Grade	0.11	1.03	1.12	0.05	0.04	0.01	0.04	0.04	0.00	0.00	298.71	0.05	0.01	276.13
Paving	0.03	0.30	0.24	0.01	0.01	0.00	0.01	0.01	0.00	0.00	52.51	0.01	0.00	48.30
Maximum (tons/phase)	0.19	1.50	1.97	0.09	0.08	0.01	0.07	0.07	0.00	0.00	470.24	0.09	0.03	435.82
Total (tons/construction project)	0.34	2.93	3.44	0.15	0.14	0.02	0.12	0.12	0.00	0.01	844.52	0.16	0.04	781.39

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

**Road Construction Emissions Model
Data Entry Worksheet**

Version 9.0.0

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.



Input Type

Project Name	Wastewater Pipeline - SCSA Force Main
Construction Start Year	2024
Project Type	1
Project Construction Time	8.50
Working Days per Month	22.00
Predominant Soil/Site Type: Enter 1, 2, or 3 <small>(for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)</small>	2
Project Length	8.40
Total Project Area	3.10
Maximum Area Disturbed/Day	0.02
Water Trucks Used?	1

Enter a Year between 2014 and 2040 (inclusive)

1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway
2) Road Widening : Project to add a new lane to an existing roadway
3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane
4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction

months
days (assume 22 if unknown)

1) Sand Gravel : Use for quaternary deposits (Delta/West County)
2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the lone formation (Scott Road, Rancho Murieta)
3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)

miles
acres
acres
1. Yes
2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/pool.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd ³) (assume 20 if unknown)	Import Volume (yd ³ /day)	Export Volume (yd ³ /day)
Soil	Grubbing/Land Clearing			
	Grading/Excavation	16.00		480.00
	Drainage/Utilities/Sub-Grade	16.00	400.00	
	Paving			
Asphalt	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving	16.00	16.00	32.00

Mitigation Options

On-road Fleet Emissions Mitigation	
Off-road Equipment Emissions Mitigation	

Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm this mitigation measure (<http://www.airquality.org/Businesses/CEQA-Land-Use-Planning/Mitigation>).
Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that can be modified by the user, although those modifications are optional.



firm compliance

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Program Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date
Grubbing/Land Clearing		0.85	8/2/24	1/1/24
Grading/Excavation		3.83	8/28/24	1/27/24
Drainage/Utilities/Sub-Grade		2.55	12/23/24	5/23/24
Paving		1.28	3/11/25	8/9/24
Totals (Months)	9			

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions		User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT				
User Input										
Miles/round trip: Grubbing/Land Clearing			30.00		0	0.00				
Miles/round trip: Grading/Excavation			30.00		30	900.00				
Miles/round trip: Drainage/Utilities/Sub-Grade			30.00		25	750.00				
Miles/round trip: Paving			30.00		0	0.00				
Emission Rates										
	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92
Grading/Excavation (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92
Drainage/Utilities/Sub-Grade (grams/mile)	0.03	0.41	3.06	0.11	0.05	0.02	1,675.02	0.00	0.26	1,753.51
Paving (grams/mile)	0.03	0.41	3.06	0.11	0.05	0.02	1,672.88	0.00	0.26	1,751.28
Grubbing/Land Clearing (grams/trip)	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions										
	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.06	0.81	6.29	0.22	0.10	0.03	3,360.28	0.00	0.53	3,517.75
Tons per const. Period - Grading/Excavation	0.00	0.03	0.26	0.01	0.00	0.00	141.38	0.00	0.02	148.01
Pounds per day - Drainage/Utilities/Sub-Grade	0.05	0.68	5.30	0.18	0.08	0.03	2,769.59	0.00	0.44	2,899.37
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.02	0.15	0.01	0.00	0.00	77.69	0.00	0.01	81.33
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.05	0.41	0.01	0.01	0.00	219.07	0.00	0.03	229.34

Note: Asphalt Hauling emission default values can be overridden in cells D91 through D94, and F91 through F94.

Asphalt Hauling Emissions		User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT				
User Input										
Miles/round trip: Grubbing/Land Clearing			30.00		0	0.00				
Miles/round trip: Grading/Excavation			30.00		0	0.00				
Miles/round trip: Drainage/Utilities/Sub-Grade			30.00		0	0.00				
Miles/round trip: Paving			30.00		3	90.00				
Emission Rates										
	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92
Grading/Excavation (grams/mile)	0.03	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92
Drainage/Utilities/Sub-Grade (grams/mile)	0.03	0.41	3.06	0.11	0.05	0.02	1,675.02	0.00	0.26	1,753.51
Paving (grams/mile)	0.03	0.41	3.06	0.11	0.05	0.02	1,672.88	0.00	0.26	1,751.28
Grubbing/Land Clearing (grams/trip)	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions										
	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.01	0.08	0.64	0.02	0.01	0.00	331.93	0.00	0.05	347.48
Tons per const. Period - Paving	0.00	0.00	0.01	0.00	0.00	0.00	4.66	0.00	0.00	4.87
Total tons per construction project	0.00	0.00	0.01	0.00	0.00	0.00	4.66	0.00	0.00	4.87

Note: Worker commute default values can be overridden in cells D121 through D126.

Worker Commute Emissions		User Override of Worker Commute Default Values		Default Values		Calculated						
User Input												
Miles/one-way trip			20			Calculated Daily Trips	Calculated Daily VMT					
One-way trips/day			2									
No. of employees: Grubbing/Land Clearing	8		24			16	320.00					
No. of employees: Grading/Excavation	10		37			20	400.00					
No. of employees: Drainage/Utilities/Sub-Grade	10		34			20	400.00					
No. of employees: Paving	8		30			16	320.00					
Emission Rates												
		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e	
Grubbing/Land Clearing (grams/mile)	0.01	0.84	0.84	0.06	0.05	0.02	0.00	306.70	0.00	0.01	308.54	
Grading/Excavation (grams/mile)	0.01	0.84	0.84	0.06	0.05	0.02	0.00	306.70	0.00	0.01	308.54	
Draining/Utilities/Sub-Grade (grams/mile)	0.01	0.78	0.78	0.06	0.05	0.02	0.00	296.96	0.00	0.01	298.66	
Paving (grams/mile)	0.01	0.78	0.78	0.06	0.05	0.02	0.00	296.96	0.00	0.01	297.52	
Grubbing/Land Clearing (grams/trip)	0.98	2.66	2.66	0.27	0.00	0.00	0.00	65.99	0.07	0.03	76.61	
Grading/Excavation (grams/trip)	0.98	2.66	2.66	0.27	0.00	0.00	0.00	65.99	0.07	0.03	76.61	
Draining/Utilities/Sub-Grade (grams/trip)	0.93	2.57	2.57	0.25	0.00	0.00	0.00	63.96	0.06	0.03	74.06	
Paving (grams/trip)	0.93	2.56	2.56	0.25	0.00	0.00	0.00	63.73	0.06	0.03	73.77	
Emissions												
		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e	
Pounds per day - Grubbing/Land Clearing	0.04	0.69	0.69	0.05	0.03	0.01	0.00	218.70	0.00	0.01	220.37	
Tons per const. Period - Grubbing/Land Clearing	0.00	0.01	0.01	0.00	0.00	0.00	0.00	2.04	0.00	0.00	2.06	
Pounds per day - Grading/Excavation	0.06	0.86	0.86	0.07	0.04	0.02	0.00	273.37	0.01	0.01	275.46	
Tons per const. Period - Grading/Excavation	0.00	0.00	0.04	0.00	0.00	0.00	0.00	11.50	0.00	0.00	11.59	
Pounds per day - Drainage/Utilities/Sub-Grade	0.05	0.80	0.80	0.06	0.04	0.02	0.00	264.69	0.01	0.01	266.64	
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.02	0.02	0.00	0.00	0.00	0.00	7.42	0.00	0.00	7.48	
Pounds per day - Paving	0.04	0.64	0.64	0.05	0.03	0.01	0.00	210.95	0.00	0.00	212.50	
Tons per const. Period - Paving	0.00	0.01	0.01	0.00	0.00	0.00	0.00	2.96	0.00	0.00	2.98	
Total tons per construction project	0.00	0.07	0.07	0.01	0.00	0.00	0.00	23.93	0.00	0.00	24.11	

Note: Water Truck default values can be overridden in cells D153 through D156, I153 through I156, and F153 through F156.

Water Truck Emissions		User Override of		Program Estimate of		User Override of Truck		Default Values		Calculated		User Override of		Default Values		Calculated	
User Input		Default # Water Trucks		Number of Water Trucks		Round Trips/Vehicle/Day		Round Trips/Vehicle/Day	Trips/day		Miles/Round Trip		Miles/Round Trip	Daily VMT			
Grubbing/Land Clearing - Exhaust			1			5		5	5		8.00		8.00	40.00			
Grading/Excavation - Exhaust			1			5		5	5		8.00		8.00	40.00			
Drainage/Utilities/Subgrade			1			5		5	5		8.00		8.00	40.00			
Paving			1			5		5	5		8.00		8.00	40.00			
Emission Rates																	
		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e						
Grubbing/Land Clearing (grams/mile)	0.03	0.41	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92						
Grading/Excavation (grams/mile)	0.03	0.41	0.41	3.02	0.11	0.05	0.02	1,693.55	0.00	0.27	1,772.92						
Draining/Utilities/Sub-Grade (grams/mile)	0.03	0.41	0.41	3.06	0.11	0.05	0.02	1,675.02	0.00	0.26	1,753.51						
Paving (grams/mile)	0.03	0.41	0.41	3.06	0.11	0.05	0.02	1,672.88	0.00	0.26	1,751.28						
Grubbing/Land Clearing (grams/trip)	0.00	0.00	0.00	4.44	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
Grading/Excavation (grams/trip)	0.00	0.00	0.00	4.44	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
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	0.00	4.46	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
Paving (grams/trip)	0.00	0.00	0.00	4.46	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
Emissions																	
		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e						
Pounds per day - Grubbing/Land Clearing	0.00	0.04	0.04	0.32	0.01	0.00	0.00	149.35	0.00	0.02	156.34						
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	1.46						
Pounds per day - Grading/Excavation	0.00	0.04	0.04	0.32	0.01	0.00	0.00	149.35	0.00	0.02	156.34						
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.01	0.00	0.00	0.00	6.28	0.00	0.00	6.58						
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.04	0.04	0.32	0.01	0.00	0.00	147.71	0.00	0.02	154.63						
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.01	0.00	0.00	0.00	4.14	0.00	0.00	4.34						
Pounds per day - Paving	0.00	0.04	0.04	0.32	0.01	0.00	0.00	147.52	0.00	0.02	154.44						
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	0.00	0.00	2.17						
Total tons per construction project	0.00	0.00	0.00	0.03	0.00	0.00	0.00	13.89	0.00	0.00	14.54						

Note: Fugitive dust default values can be overridden in cells D183 through D185.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/period	PM2.5 pounds/day	PM2.5 tons/period
Fugitive Dust - Grubbing/Land Clearing			0.20	0.00	0.04	0.00
Fugitive Dust - Grading/Excavation			0.20	0.01	0.04	0.00
Fugitive Dust - Drainage/Utilities/Subgrade			0.20	0.01	0.04	0.00

Off-Road Equipment Emissions													
Grubbing/Land Clearing		Default Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Mitigation Option Default	Equipment Tier	Type	ROG pounds/day	CO pounds/day	NOx pounds/day	PM10 pounds/day	PM2.5 pounds/day	SOx pounds/day	
Override of Default Number of Vehicles	Program-estimate												
					Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	
		1			Model Default Tier	Crawler Tractors	0.42	2.20	4.75	0.18	0.17	0.01	
					Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	
			1		Model Default Tier	Excavators	0.18	3.27	1.40	0.07	0.06	0.01	
					Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	
			17		Model Default Tier	Signal Boards	0.98	5.12	6.11	0.24	0.24	0.01	
					Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	
					Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	
User-Defined Off-road Equipment							ROG	CO	NOx	PM10	PM2.5	SOx	
Number of Vehicles		If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab					Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00						N/A		0	0.00	0.00	0.00	0.00	
0.00						N/A		0	0.00	0.00	0.00	0.00	
0.00						N/A		0	0.00	0.00	0.00	0.00	
0.00						N/A		0	0.00	0.00	0.00	0.00	
0.00						N/A		0	0.00	0.00	0.00	0.00	
0.00						N/A		0	0.00	0.00	0.00	0.00	
0.00						N/A		0	0.00	0.00	0.00	0.00	
		Grubbing/Land Clearing					pounds per day	1.58	10.98	12.26	0.49	0.47	
		Grubbing/Land Clearing					tons per phase	0.01	0.10	0.11	0.00	0.00	

Grading/Excavation	Default		Mitigation Option		ROG	CO	NOx	PM10	PM2.5	SOx
	Number of Vehicles	Override of	Default	Default Equipment Tier (applicable only when						
Override of Default Number of Vehicles	Program-estimate	"Tier 4 Mitigation" Option Selected)	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00
	0		Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Crawler Tractors	0.42	2.20	4.75	0.18	0.17	0.01
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00
1.00	3		Model Default Tier	Excavators	0.18	3.27	1.40	0.07	0.06	0.01
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Graders	0.35	1.66	4.16	0.13	0.12	0.01
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00
	2		Model Default Tier	Rollers	0.29	3.70	3.05	0.16	0.15	0.01
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Rubber Tired Loaders	0.25	1.50	2.33	0.08	0.07	0.01
	2		Model Default Tier	Scrapers	1.52	11.93	15.39	0.61	0.56	0.03
	17		Model Default Tier	Signal Boards	0.98	5.12	6.11	0.24	0.24	0.01
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00
	2		Model Default Tier	Tractors/Loaders/Backhoes	0.29	4.47	2.90	0.13	0.12	0.01
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00
User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab				ROG	CO	NOx	PM10	PM2.5	SOx
	Number of Vehicles		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	Grading/Excavation			pounds per day	4.29	33.84	40.08	1.61	1.50	0.08
	Grading/Excavation			tons per phase	0.18	1.42	1.69	0.07	0.06	0.00

Drainage/Utilities/Subgrade	Default	Mitigation Option	Default	ROG	CO	NOx	PM10	PM2.5	SOx	
	Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)								Equipment Tier
Override of Default Number of Vehicles	Program-estimate	"Tier 4 Mitigation" Option Selected	Equipment Tier	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	
1.00	1		Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Air Compressors	0.23	2.41	1.54	0.07	0.07	
			Model Default Tier	Bore/Drill Rigs	0.10	1.02	0.93	0.03	0.03	
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	
	1		Model Default Tier	Generator Sets	0.27	3.66	2.41	0.10	0.10	
	1		Model Default Tier	Graders	0.32	1.60	3.53	0.11	0.10	
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	
	1		Model Default Tier	Plate Compactors	0.04	0.21	0.25	0.01	0.01	
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	
	1		Model Default Tier	Pumps	0.29	3.72	2.44	0.10	0.10	
			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	
	1		Model Default Tier	Rough Terrain Forklifts	0.10	2.29	1.29	0.04	0.03	
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	
	2		Model Default Tier	Scrapers	1.36	10.88	13.01	0.51	0.47	
	17		Model Default Tier	Signal Boards	0.98	5.12	6.11	0.24	0.24	
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	
	2		Model Default Tier	Tractors/Loaders/Backhoes	0.27	4.46	2.69	0.11	0.10	
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	
User-Defined Off-road Equipment				If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab						
	Number of Vehicles		Equipment Tier	Type	ROG pounds/day	CO pounds/day	NOx pounds/day	PM10 pounds/day	PM2.5 pounds/day	SOx pounds/day
	0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00
	0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00
	0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00
	0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00
	0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00
	0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00
	0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00
	Drainage/Utilities/Sub-Grade			pounds per day	3.95	35.36	34.21	1.32	1.26	0.08
	Drainage/Utilities/Sub-Grade			tons per phase	0.11	0.99	0.96	0.04	0.04	0.00

Paving	Default		Mitigation Option		ROG	CO	NOx	PM10	PM2.5	SOx
	Number of Vehicles	Override of	Default	Equipment Tier						
Override of Default Number of Vehicles	Program-estimate	Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Pavers	0.17	2.90	1.58	0.07	0.07	0.00
	1		Model Default Tier	Paving Equipment	0.15	2.55	1.26	0.06	0.06	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00
	3		Model Default Tier	Rollers	0.41	5.54	4.33	0.22	0.20	0.01
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00
	17		Model Default Tier	Signal Boards	0.98	5.12	6.11	0.24	0.24	0.01
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00
	2		Model Default Tier	Tractors/Loaders/Backhoes	0.26	4.46	2.67	0.11	0.10	0.01
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00
User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab				ROG	CO	NOx	PM10	PM2.5	SOx
	Number of Vehicles		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	Paving			pounds per day	1.97	20.56	15.96	0.70	0.66	0.03
	Paving			tons per phase	0.03	0.29	0.22	0.01	0.01	0.00
Total Emissions all Phases (tons per construction period) =>					0.33	2.80	2.98	0.12	0.11	0.01

CO2	CH4	N2O	CO2e
pounds/day	pounds/day	pounds/day	pounds/day
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
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
758.65	0.25	0.01	768.83
0.00	0.00	0.00	0.00
500.27	0.16	0.00	505.66
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
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
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
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
838.33	0.09	0.01	842.80
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
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
CO2	CH4	N2O	CO2e
pounds/day	pounds/day	pounds/day	pounds/day
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
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
2,097.25	0.49	0.02	2,115.09
19.61	0.00	0.00	19.78

CO2		CH4	N2O	CO2e
pounds/day	pounds/day		pounds/day	pounds/day
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
0.00	0.00		0.00	0.00
0.00	0.00		0.00	0.00
758.65	0.25		0.01	766.83
0.00	0.00		0.00	0.00
500.27	0.16		0.00	505.66
0.00	0.00		0.00	0.00
0.00	0.00		0.00	0.00
640.51	0.21		0.01	647.41
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
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
508.29	0.16		0.00	513.77
0.00	0.00		0.00	0.00
0.00	0.00		0.00	0.00
605.51	0.20		0.01	612.05
2,938.20	0.95		0.03	2,969.87
838.33	0.09		0.01	842.60
0.00	0.00		0.00	0.00
0.00	0.00		0.00	0.00
0.00	0.00		0.00	0.00
603.53	0.20		0.01	610.03
0.00	0.00		0.00	0.00
0.00	0.00		0.00	0.00
<hr/>				
CO2		CH4	N2O	CO2e
pounds/day	pounds/day		pounds/day	pounds/day
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
0.00	0.00		0.00	0.00
0.00	0.00		0.00	0.00
0.00	0.00		0.00	0.00
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7,393.30	2.21		0.07	7,468.21
311.07	0.09		0.00	314.22

CO2	CH4	N2O	CO2e
pounds/day	pounds/day	pounds/day	pounds/day
0.00	0.00	0.00	0.00
375.26	0.02	0.00	376.62
458.63	0.15	0.00	463.58
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
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
623.04	0.02	0.00	625.01
640.27	0.21	0.01	647.17
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
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
34.48	0.00	0.00	34.65
0.00	0.00	0.00	0.00
623.04	0.03	0.00	625.07
0.00	0.00	0.00	0.00
333.72	0.11	0.00	337.32
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
2,936.49	0.95	0.03	2,968.15
838.33	0.09	0.01	842.60
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
604.05	0.20	0.01	610.55
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
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CO2	CH4	N2O	CO2e
pounds/day	pounds/day	pounds/day	pounds/day
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
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
7,467.31	1.77	0.06	7,530.71
209.46	0.05	0.00	211.24

CO2	CH4	N2O	CO2e
pounds/day	pounds/day	pounds/day	pounds/day
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
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
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
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
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
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
454.99	0.15	0.00	459.90
394.32	0.13	0.00	398.57
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
762.19	0.25	0.01	770.40
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
838.33	0.09	0.01	842.60
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
604.11	0.20	0.01	610.61
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
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CO2	CH4	N2O	CO2e
pounds/day	pounds/day	pounds/day	pounds/day
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
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
0.00	0.00	0.00	0.00
3,053.94	0.80	0.03	3,082.08
42.83	0.01	0.00	43.23
<hr/>			
582.97	0.16	0.01	588.46

Equipment default values for horsepower and hours/day can be overridden in cells D403 through D436 and F403 through F436.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63		8
Air Compressors		78		8
Bore/Drill Rigs		221	4.00	8
Cement and Mortar Mixers		9		8
Concrete/Industrial Saws		81		8
Cranes		231		8
Crawler Tractors		212		8
Crushing/Proc. Equipment		85		8
Excavators		158		8
Forklifts		89		8
Generator Sets		84		8
Graders		187		8
Off-Highway Tractors		124		8
Off-Highway Trucks		402		8
Other Construction Equipment		172		8
Other General Industrial Equipment		88		8
Other Material Handling Equipment		168		8
Pavers		130		8
Paving Equipment		132		8
Plate Compactors		8		8
Pressure Washers		13		8
Pumps		84		8
Rollers		80		8
Rough Terrain Forklifts		100		8
Rubber Tired Dozers		247		8
Rubber Tired Loaders		203		8
Scrapers		367		8
Signal Boards		6		8
Skid Steer Loaders		65		8
Surfacing Equipment		263		8
Sweepers/Scrubbers		64		8
Tractors/Loaders/Backhoes		97		8
Trenchers		78		8
Welders		46		8

END OF DATA ENTRY SHEET

Lift Station 22 - Yuba County, Annual

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

**Lift Station 22
Yuba County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	4.33	1000sqft	0.10	4,330.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Combined phases provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

Lift Station 22 - Yuba County, Annual

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

Trips and VMT -

Grading -

Vehicle Trips - Maintenance trips in Pump Station 1

Energy Use - n/a

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	11.00
tblConstructionPhase	NumDays	100.00	11.00
tblConstructionPhase	NumDays	100.00	44.00
tblConstructionPhase	NumDays	2.00	33.00
tblConstructionPhase	NumDays	5.00	11.00
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6550e-003	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.5660e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.4350e-003	0.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		PG&E Site Painting

Lift Station 22 - Yuba County, Annual

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

tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Grading Rough

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

tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	7.72	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	200.00	45.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	6.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	1,898,562.50	0.00

2.0 Emissions Summary

Lift Station 22 - Yuba County, Annual

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.1709	1.2545	1.3591	3.8000e-003	0.1601	0.0516	0.2117	0.0738	0.0478	0.1216	0.0000	332.1274	332.1274	0.1009	4.7000e-004	334.7908
2025	0.1124	0.1209	0.1414	4.3000e-004	9.4000e-004	4.5700e-003	5.5100e-003	2.5000e-004	4.2200e-003	4.4700e-003	0.0000	38.0502	38.0502	0.0119	2.0000e-005	38.3557
Maximum	0.1709	1.2545	1.3591	3.8000e-003	0.1601	0.0516	0.2117	0.0738	0.0478	0.1216	0.0000	332.1274	332.1274	0.1009	4.7000e-004	334.7908

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.1709	1.2545	1.3591	3.8000e-003	0.1601	0.0516	0.2117	0.0738	0.0478	0.1216	0.0000	332.1270	332.1270	0.1009	4.7000e-004	334.7904
2025	0.1124	0.1209	0.1414	4.3000e-004	9.4000e-004	4.5700e-003	5.5100e-003	2.5000e-004	4.2200e-003	4.4700e-003	0.0000	38.0502	38.0502	0.0119	2.0000e-005	38.3556
Maximum	0.1709	1.2545	1.3591	3.8000e-003	0.1601	0.0516	0.2117	0.0738	0.0478	0.1216	0.0000	332.1270	332.1270	0.1009	4.7000e-004	334.7904

Lift Station 22 - Yuba County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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)
1	1-1-2024	3-31-2024	0.4684	0.4684
2	4-1-2024	6-30-2024	0.2748	0.2748
3	7-1-2024	9-30-2024	0.2778	0.2778
4	10-1-2024	12-31-2024	0.3974	0.3974
5	1-1-2025	3-31-2025	0.2456	0.2456
		Highest	0.4684	0.4684

Lift Station 22 - Yuba County, Annual

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0264	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	2.2000e-004	1.1600e-003	8.9000e-004	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.1028	0.1028	1.0000e-005	0.0000	0.1032
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	0.0267	1.1600e-003	9.3000e-004	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	1.0000e-004	1.0000e-004	0.0000	0.1029	0.1029	1.0000e-005	0.0000	0.1033

Lift Station 22 - Yuba County, Annual

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0264	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	2.2000e-004	1.1600e-003	8.9000e-004	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.1028	0.1028	1.0000e-005	0.0000	0.1032
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	0.0267	1.1600e-003	9.3000e-004	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	1.0000e-004	1.0000e-004	0.0000	0.1029	0.1029	1.0000e-005	0.0000	0.1033

	ROG	NOx	CO	SO2	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	Grading Rough	Grading	1/1/2024	2/14/2024	5	33	
2	Piping Underground	Trenching	2/15/2024	5/16/2024	5	66	

Lift Station 22 - Yuba County, Annual

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

3	Site Electrical	Trenching	5/17/2024	8/16/2024	5	66
4	Site Lighting	Trenching	8/17/2024	9/2/2024	5	11
5	Wet Well Construction	Trenching	9/3/2024	10/17/2024	5	33
6	Wall and Generator	Building Construction	10/18/2024	11/1/2024	5	11
7	Pumps and Piping	Building Construction	11/2/2024	1/2/2025	5	44
8	Final Grading and Paving	Paving	1/3/2025	1/17/2025	5	11
9	PG&E Site Painting	Architectural Coating	1/18/2025	2/3/2025	5	11

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 40.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 12,323; Non-Residential Indoor: 4,108; Striped Parking Area: 0
 (Architectural Coating – sqft)

Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading Rough	Dumpers/Tenders	1	6.00	16	0.38
Grading Rough	Excavators	1	6.00	158	0.38
Grading Rough	Forklifts	1	6.00	89	0.20
Grading Rough	Graders	1	6.00	187	0.41
Grading Rough	Off-Highway Trucks	2	6.00	250	0.38
Grading Rough	Plate Compactors	1	6.00	8	0.43
Grading Rough	Rollers	1	6.00	80	0.38
Grading Rough	Rubber Tired Dozers	1	6.00	247	0.40
Grading Rough	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Piping Underground	Dumpers/Tenders	1	6.00	16	0.38
Piping Underground	Forklifts	1	6.00	89	0.20
Piping Underground	Off-Highway Trucks	2	6.00	250	0.38
Piping Underground	Off-Highway Trucks	1	6.00	402	0.38

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

Piping Underground	Plate Compactors	1	6.00	8	0.43
Piping Underground	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Electrical	Dumpers/Tenders	1	6.00	16	0.38
Site Electrical	Forklifts	1	6.00	89	0.20
Site Electrical	Off-Highway Trucks	1	6.00	250	0.38
Site Electrical	Off-Highway Trucks	1	6.00	402	0.38
Site Electrical	Plate Compactors	1	6.00	8	0.43
Site Electrical	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Lighting	Dumpers/Tenders	1	6.00	16	0.38
Site Lighting	Forklifts	1	6.00	89	0.20
Site Lighting	Off-Highway Trucks	1	6.00	250	0.38
Site Lighting	Off-Highway Trucks	1	6.00	402	0.38
Site Lighting	Plate Compactors	1	6.00	8	0.43
Site Lighting	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wet Well Construction	Cranes	1	1.00	231	0.29
Wet Well Construction	Dumpers/Tenders	1	6.00	16	0.38
Wet Well Construction	Excavators	1	4.00	158	0.38
Wet Well Construction	Forklifts	1	6.00	89	0.20
Wet Well Construction	Off-Highway Trucks	2	6.00	250	0.38
Wet Well Construction	Off-Highway Trucks	1	6.00	402	0.38
Wet Well Construction	Plate Compactors	1	6.00	8	0.43
Wet Well Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wall and Generator	Aerial Lifts	1	8.00	63	0.31
Wall and Generator	Dumpers/Tenders	1	8.00	16	0.38
Wall and Generator	Forklifts	1	8.00	89	0.20
Wall and Generator	Off-Highway Trucks	2	8.00	250	0.38
Wall and Generator	Off-Highway Trucks	1	8.00	402	0.38
Wall and Generator	Plate Compactors	1	8.00	8	0.43
Wall and Generator	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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

Pumps and Piping	Aerial Lifts	1	6.00	63	0.31
Pumps and Piping	Dumpers/Tenders	1	6.00	16	0.38
Pumps and Piping	Excavators	1	6.00	158	0.38
Pumps and Piping	Forklifts	1	6.00	89	0.20
Pumps and Piping	Off-Highway Trucks	2	6.00	250	0.38
Pumps and Piping	Off-Highway Trucks	1	6.00	402	0.38
Pumps and Piping	Plate Compactors	1	6.00	8	0.43
Pumps and Piping	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Pumps and Piping	Welders	1	6.00	46	0.45
Final Grading and Paving	Dumpers/Tenders	1	6.00	16	0.38
Final Grading and Paving	Forklifts	1	6.00	89	0.20
Final Grading and Paving	Graders	1	6.00	187	0.41
Final Grading and Paving	Off-Highway Trucks	1	6.00	250	0.38
Final Grading and Paving	Off-Highway Trucks	1	6.00	402	0.38
Final Grading and Paving	Pavers	1	6.00	130	0.42
Final Grading and Paving	Plate Compactors	1	6.00	8	0.43
Final Grading and Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
PG&E Site Painting	Aerial Lifts	2	6.00	63	0.31
PG&E Site Painting	Dumpers/Tenders	1	3.00	16	0.38
PG&E Site Painting	Forklifts	1	6.00	89	0.20
PG&E Site Painting	Off-Highway Trucks	4	8.00	250	0.38
PG&E Site Painting	Off-Highway Trucks	1	3.00	402	0.38
PG&E Site Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading Rough	11	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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Piping Underground	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Electrical	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Lighting	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wet Well Construction	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wall and Generator	8	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Pumps and Piping	10	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading and Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PG&E Site Painting	10	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading Rough - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1434	0.0000	0.1434	0.0694	0.0000	0.0694	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0315	0.2877	0.2499	6.0000e-004		0.0124	0.0124		0.0114	0.0114	0.0000	52.1006	52.1006	0.0166	0.0000	52.5160
Total	0.0315	0.2877	0.2499	6.0000e-004	0.1434	0.0124	0.1558	0.0694	0.0114	0.0807	0.0000	52.1006	52.1006	0.0166	0.0000	52.5160

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3.2 Grading Rough - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4300e-003	9.6000e-004	0.0115	3.0000e-005	3.6300e-003	2.0000e-005	3.6500e-003	9.7000e-004	2.0000e-005	9.8000e-004	0.0000	2.8916	2.8916	9.0000e-005	9.0000e-005	2.9198
Total	1.4300e-003	9.6000e-004	0.0115	3.0000e-005	3.6300e-003	2.0000e-005	3.6500e-003	9.7000e-004	2.0000e-005	9.8000e-004	0.0000	2.8916	2.8916	9.0000e-005	9.0000e-005	2.9198

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1434	0.0000	0.1434	0.0694	0.0000	0.0694	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0315	0.2877	0.2499	6.0000e-004		0.0124	0.0124		0.0114	0.0114	0.0000	52.1005	52.1005	0.0166	0.0000	52.5159
Total	0.0315	0.2877	0.2499	6.0000e-004	0.1434	0.0124	0.1558	0.0694	0.0114	0.0807	0.0000	52.1005	52.1005	0.0166	0.0000	52.5159

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3.2 Grading Rough - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4300e-003	9.6000e-004	0.0115	3.0000e-005	3.6300e-003	2.0000e-005	3.6500e-003	9.7000e-004	2.0000e-005	9.8000e-004	0.0000	2.8916	2.8916	9.0000e-005	9.0000e-005	2.9198
Total	1.4300e-003	9.6000e-004	0.0115	3.0000e-005	3.6300e-003	2.0000e-005	3.6500e-003	9.7000e-004	2.0000e-005	9.8000e-004	0.0000	2.8916	2.8916	9.0000e-005	9.0000e-005	2.9198

3.3 Piping Underground - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0378	0.2702	0.2798	8.7000e-004		0.0110	0.0110		0.0102	0.0102	0.0000	76.2852	76.2852	0.0242	0.0000	76.8904
Total	0.0378	0.2702	0.2798	8.7000e-004		0.0110	0.0110		0.0102	0.0102	0.0000	76.2852	76.2852	0.0242	0.0000	76.8904

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3.3 Piping Underground - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8400e-003	1.2300e-003	0.0147	4.0000e-005	4.6700e-003	2.0000e-005	4.6900e-003	1.2400e-003	2.0000e-005	1.2600e-003	0.0000	3.7178	3.7178	1.2000e-004	1.1000e-004	3.7540
Total	1.8400e-003	1.2300e-003	0.0147	4.0000e-005	4.6700e-003	2.0000e-005	4.6900e-003	1.2400e-003	2.0000e-005	1.2600e-003	0.0000	3.7178	3.7178	1.2000e-004	1.1000e-004	3.7540

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0378	0.2702	0.2798	8.7000e-004		0.0110	0.0110		0.0102	0.0102	0.0000	76.2851	76.2851	0.0242	0.0000	76.8903
Total	0.0378	0.2702	0.2798	8.7000e-004		0.0110	0.0110		0.0102	0.0102	0.0000	76.2851	76.2851	0.0242	0.0000	76.8903

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3.3 Piping Underground - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8400e-003	1.2300e-003	0.0147	4.0000e-005	4.6700e-003	2.0000e-005	4.6900e-003	1.2400e-003	2.0000e-005	1.2600e-003	0.0000	3.7178	3.7178	1.2000e-004	1.1000e-004	3.7540
Total	1.8400e-003	1.2300e-003	0.0147	4.0000e-005	4.6700e-003	2.0000e-005	4.6900e-003	1.2400e-003	2.0000e-005	1.2600e-003	0.0000	3.7178	3.7178	1.2000e-004	1.1000e-004	3.7540

3.4 Site Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0294	0.2140	0.2276	6.7000e-004		8.7900e-003	8.7900e-003		8.1400e-003	8.1400e-003	0.0000	58.6372	58.6372	0.0185	0.0000	59.0996
Total	0.0294	0.2140	0.2276	6.7000e-004		8.7900e-003	8.7900e-003		8.1400e-003	8.1400e-003	0.0000	58.6372	58.6372	0.0185	0.0000	59.0996

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3.4 Site Electrical - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5400e-003	1.0300e-003	0.0123	3.0000e-005	3.8900e-003	2.0000e-005	3.9100e-003	1.0400e-003	2.0000e-005	1.0500e-003	0.0000	3.0982	3.0982	1.0000e-004	9.0000e-005	3.1283
Total	1.5400e-003	1.0300e-003	0.0123	3.0000e-005	3.8900e-003	2.0000e-005	3.9100e-003	1.0400e-003	2.0000e-005	1.0500e-003	0.0000	3.0982	3.0982	1.0000e-004	9.0000e-005	3.1283

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0294	0.2140	0.2276	6.7000e-004		8.7900e-003	8.7900e-003		8.1400e-003	8.1400e-003	0.0000	58.6371	58.6371	0.0185	0.0000	59.0996
Total	0.0294	0.2140	0.2276	6.7000e-004		8.7900e-003	8.7900e-003		8.1400e-003	8.1400e-003	0.0000	58.6371	58.6371	0.0185	0.0000	59.0996

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3.4 Site Electrical - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5400e-003	1.0300e-003	0.0123	3.0000e-005	3.8900e-003	2.0000e-005	3.9100e-003	1.0400e-003	2.0000e-005	1.0500e-003	0.0000	3.0982	3.0982	1.0000e-004	9.0000e-005	3.1283
Total	1.5400e-003	1.0300e-003	0.0123	3.0000e-005	3.8900e-003	2.0000e-005	3.9100e-003	1.0400e-003	2.0000e-005	1.0500e-003	0.0000	3.0982	3.0982	1.0000e-004	9.0000e-005	3.1283

3.5 Site Lighting - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.9000e-003	0.0357	0.0379	1.1000e-004		1.4700e-003	1.4700e-003		1.3600e-003	1.3600e-003	0.0000	9.7729	9.7729	3.0800e-003	0.0000	9.8499
Total	4.9000e-003	0.0357	0.0379	1.1000e-004		1.4700e-003	1.4700e-003		1.3600e-003	1.3600e-003	0.0000	9.7729	9.7729	3.0800e-003	0.0000	9.8499

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3.5 Site Lighting - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.7000e-004	2.0400e-003	1.0000e-005	6.5000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5164	0.5164	2.0000e-005	2.0000e-005	0.5214
Total	2.6000e-004	1.7000e-004	2.0400e-003	1.0000e-005	6.5000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5164	0.5164	2.0000e-005	2.0000e-005	0.5214

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.9000e-003	0.0357	0.0379	1.1000e-004		1.4700e-003	1.4700e-003		1.3600e-003	1.3600e-003	0.0000	9.7729	9.7729	3.0800e-003	0.0000	9.8499
Total	4.9000e-003	0.0357	0.0379	1.1000e-004		1.4700e-003	1.4700e-003		1.3600e-003	1.3600e-003	0.0000	9.7729	9.7729	3.0800e-003	0.0000	9.8499

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3.5 Site Lighting - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.7000e-004	2.0400e-003	1.0000e-005	6.5000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5164	0.5164	2.0000e-005	2.0000e-005	0.5214
Total	2.6000e-004	1.7000e-004	2.0400e-003	1.0000e-005	6.5000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5164	0.5164	2.0000e-005	2.0000e-005	0.5214

3.6 Wet Well Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0211	0.1539	0.1705	4.9000e-004		6.3900e-003	6.3900e-003		5.9100e-003	5.9100e-003	0.0000	42.9323	42.9323	0.0137	0.0000	43.2736
Total	0.0211	0.1539	0.1705	4.9000e-004		6.3900e-003	6.3900e-003		5.9100e-003	5.9100e-003	0.0000	42.9323	42.9323	0.0137	0.0000	43.2736

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3.6 Wet Well Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1800e-003	7.9000e-004	9.4000e-003	3.0000e-005	2.9800e-003	1.0000e-005	3.0000e-003	7.9000e-004	1.0000e-005	8.1000e-004	0.0000	2.3753	2.3753	8.0000e-005	7.0000e-005	2.3984
Total	1.1800e-003	7.9000e-004	9.4000e-003	3.0000e-005	2.9800e-003	1.0000e-005	3.0000e-003	7.9000e-004	1.0000e-005	8.1000e-004	0.0000	2.3753	2.3753	8.0000e-005	7.0000e-005	2.3984

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0211	0.1539	0.1705	4.9000e-004		6.3900e-003	6.3900e-003		5.9100e-003	5.9100e-003	0.0000	42.9322	42.9322	0.0137	0.0000	43.2735
Total	0.0211	0.1539	0.1705	4.9000e-004		6.3900e-003	6.3900e-003		5.9100e-003	5.9100e-003	0.0000	42.9322	42.9322	0.0137	0.0000	43.2735

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

3.6 Wet Well Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1800e-003	7.9000e-004	9.4000e-003	3.0000e-005	2.9800e-003	1.0000e-005	3.0000e-003	7.9000e-004	1.0000e-005	8.1000e-004	0.0000	2.3753	2.3753	8.0000e-005	7.0000e-005	2.3984
Total	1.1800e-003	7.9000e-004	9.4000e-003	3.0000e-005	2.9800e-003	1.0000e-005	3.0000e-003	7.9000e-004	1.0000e-005	8.1000e-004	0.0000	2.3753	2.3753	8.0000e-005	7.0000e-005	2.3984

3.7 Wall and Generator - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.5800e-003	0.0629	0.0682	2.0000e-004		2.5000e-003	2.5000e-003		2.3100e-003	2.3100e-003	0.0000	17.7637	17.7637	5.6400e-003	0.0000	17.9047
Total	8.5800e-003	0.0629	0.0682	2.0000e-004		2.5000e-003	2.5000e-003		2.3100e-003	2.3100e-003	0.0000	17.7637	17.7637	5.6400e-003	0.0000	17.9047

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

3.7 Wall and Generator - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	3.4000e-004	8.0000e-005	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1158	0.1158	0.0000	2.0000e-005	0.1208
Worker	5.0000e-005	3.0000e-005	4.1000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	4.0000e-005	0.0000	0.1033	0.1033	0.0000	0.0000	0.1043
Total	6.0000e-005	3.7000e-004	4.9000e-004	0.0000	1.7000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	5.0000e-005	0.0000	0.2191	0.2191	0.0000	2.0000e-005	0.2251

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.5800e-003	0.0629	0.0682	2.0000e-004		2.5000e-003	2.5000e-003		2.3100e-003	2.3100e-003	0.0000	17.7636	17.7636	5.6400e-003	0.0000	17.9047
Total	8.5800e-003	0.0629	0.0682	2.0000e-004		2.5000e-003	2.5000e-003		2.3100e-003	2.3100e-003	0.0000	17.7636	17.7636	5.6400e-003	0.0000	17.9047

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

3.7 Wall and Generator - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	3.4000e-004	8.0000e-005	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1158	0.1158	0.0000	2.0000e-005	0.1208
Worker	5.0000e-005	3.0000e-005	4.1000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	4.0000e-005	0.0000	0.1033	0.1033	0.0000	0.0000	0.1043
Total	6.0000e-005	3.7000e-004	4.9000e-004	0.0000	1.7000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	5.0000e-005	0.0000	0.2191	0.2191	0.0000	2.0000e-005	0.2251

3.8 Pumps and Piping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0311	0.2241	0.2729	7.0000e-004		9.0000e-003	9.0000e-003		8.3800e-003	8.3800e-003	0.0000	60.9810	60.9810	0.0188	0.0000	61.4503
Total	0.0311	0.2241	0.2729	7.0000e-004		9.0000e-003	9.0000e-003		8.3800e-003	8.3800e-003	0.0000	60.9810	60.9810	0.0188	0.0000	61.4503

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

3.8 Pumps and Piping - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	1.2900e-003	2.9000e-004	0.0000	1.4000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.4421	0.4421	0.0000	6.0000e-005	0.4613
Worker	2.0000e-004	1.3000e-004	1.5600e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3943	0.3943	1.0000e-005	1.0000e-005	0.3982
Total	2.3000e-004	1.4200e-003	1.8500e-003	0.0000	6.4000e-004	1.0000e-005	6.4000e-004	1.7000e-004	1.0000e-005	1.8000e-004	0.0000	0.8364	0.8364	1.0000e-005	7.0000e-005	0.8594

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0311	0.2241	0.2729	7.0000e-004		9.0000e-003	9.0000e-003		8.3800e-003	8.3800e-003	0.0000	60.9809	60.9809	0.0188	0.0000	61.4502
Total	0.0311	0.2241	0.2729	7.0000e-004		9.0000e-003	9.0000e-003		8.3800e-003	8.3800e-003	0.0000	60.9809	60.9809	0.0188	0.0000	61.4502

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

3.8 Pumps and Piping - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	1.2900e-003	2.9000e-004	0.0000	1.4000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.4421	0.4421	0.0000	6.0000e-005	0.4613
Worker	2.0000e-004	1.3000e-004	1.5600e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3943	0.3943	1.0000e-005	1.0000e-005	0.3982
Total	2.3000e-004	1.4200e-003	1.8500e-003	0.0000	6.4000e-004	1.0000e-005	6.4000e-004	1.7000e-004	1.0000e-005	1.8000e-004	0.0000	0.8364	0.8364	1.0000e-005	7.0000e-005	0.8594

3.8 Pumps and Piping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.3900e-003	9.4500e-003	0.0128	3.0000e-005		3.6000e-004	3.6000e-004		3.4000e-004	3.4000e-004	0.0000	2.9037	2.9037	8.9000e-004	0.0000	2.9260
Total	1.3900e-003	9.4500e-003	0.0128	3.0000e-005		3.6000e-004	3.6000e-004		3.4000e-004	3.4000e-004	0.0000	2.9037	2.9037	8.9000e-004	0.0000	2.9260

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3.8 Pumps and Piping - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0207	0.0207	0.0000	0.0000	0.0216
Worker	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0183	0.0183	0.0000	0.0000	0.0185
Total	1.0000e-005	7.0000e-005	8.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0390	0.0390	0.0000	0.0000	0.0401

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.3900e-003	9.4500e-003	0.0128	3.0000e-005		3.6000e-004	3.6000e-004		3.4000e-004	3.4000e-004	0.0000	2.9037	2.9037	8.9000e-004	0.0000	2.9260
Total	1.3900e-003	9.4500e-003	0.0128	3.0000e-005		3.6000e-004	3.6000e-004		3.4000e-004	3.4000e-004	0.0000	2.9037	2.9037	8.9000e-004	0.0000	2.9260

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

3.8 Pumps and Piping - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0207	0.0207	0.0000	0.0000	0.0216
Worker	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0183	0.0183	0.0000	0.0000	0.0185
Total	1.0000e-005	7.0000e-005	8.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0390	0.0390	0.0000	0.0000	0.0401

3.9 Final Grading and Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.6200e-003	0.0523	0.0558	1.6000e-004		2.0000e-003	2.0000e-003		1.8500e-003	1.8500e-003	0.0000	13.8700	13.8700	4.4100e-003	0.0000	13.9802
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.6200e-003	0.0523	0.0558	1.6000e-004		2.0000e-003	2.0000e-003		1.8500e-003	1.8500e-003	0.0000	13.8700	13.8700	4.4100e-003	0.0000	13.9802

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

3.9 Final Grading and Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.0000e-004	2.5200e-003	1.0000e-005	8.6000e-004	0.0000	8.7000e-004	2.3000e-004	0.0000	2.3000e-004	0.0000	0.6718	0.6718	2.0000e-005	2.0000e-005	0.6780
Total	3.2000e-004	2.0000e-004	2.5200e-003	1.0000e-005	8.6000e-004	0.0000	8.7000e-004	2.3000e-004	0.0000	2.3000e-004	0.0000	0.6718	0.6718	2.0000e-005	2.0000e-005	0.6780

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.6200e-003	0.0523	0.0558	1.6000e-004		2.0000e-003	2.0000e-003		1.8500e-003	1.8500e-003	0.0000	13.8700	13.8700	4.4100e-003	0.0000	13.9802
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.6200e-003	0.0523	0.0558	1.6000e-004		2.0000e-003	2.0000e-003		1.8500e-003	1.8500e-003	0.0000	13.8700	13.8700	4.4100e-003	0.0000	13.9802

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3.9 Final Grading and Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.0000e-004	2.5200e-003	1.0000e-005	8.6000e-004	0.0000	8.7000e-004	2.3000e-004	0.0000	2.3000e-004	0.0000	0.6718	0.6718	2.0000e-005	2.0000e-005	0.6780
Total	3.2000e-004	2.0000e-004	2.5200e-003	1.0000e-005	8.6000e-004	0.0000	8.7000e-004	2.3000e-004	0.0000	2.3000e-004	0.0000	0.6718	0.6718	2.0000e-005	2.0000e-005	0.6780

3.10 PG&E Site Painting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0952					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.8600e-003	0.0589	0.0701	2.3000e-004		2.2000e-003	2.2000e-003		2.0300e-003	2.0300e-003	0.0000	20.5322	20.5322	6.6200e-003	0.0000	20.6976
Total	0.1041	0.0589	0.0701	2.3000e-004		2.2000e-003	2.2000e-003		2.0300e-003	2.0300e-003	0.0000	20.5322	20.5322	6.6200e-003	0.0000	20.6976

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3.10 PG&E Site Painting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0336	0.0336	0.0000	0.0000	0.0339
Total	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0336	0.0336	0.0000	0.0000	0.0339

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0952					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.8600e-003	0.0589	0.0701	2.3000e-004		2.2000e-003	2.2000e-003		2.0300e-003	2.0300e-003	0.0000	20.5321	20.5321	6.6200e-003	0.0000	20.6975
Total	0.1041	0.0589	0.0701	2.3000e-004		2.2000e-003	2.2000e-003		2.0300e-003	2.0300e-003	0.0000	20.5321	20.5321	6.6200e-003	0.0000	20.6975

Lift Station 22 - Yuba County, Annual

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

3.10 PG&E Site Painting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0336	0.0336	0.0000	0.0000	0.0339
Total	2.0000e-005	1.0000e-005	1.3000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0336	0.0336	0.0000	0.0000	0.0339

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

5.3 Energy by Land Use - Electricity

Unmitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr			
Unfrigorated Warehouse-No Rail	0	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000

Mitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr			
Unfrigorated Warehouse-No Rail	0	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Lift Station 22 - Yuba County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0264	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005
Unmitigated	0.0264	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005

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	9.5200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0169					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005
Total	0.0264	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005

Lift Station 22 - Yuba County, Annual

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	9.5200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0169					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005
Total	0.0264	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005

7.0 Water Detail

7.1 Mitigation Measures Water

Lift Station 22 - Yuba County, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	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			
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Lift Station 22 - Yuba County, Annual

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated 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

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

8.2 Waste by Land Use

Unmitigated

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

Mitigated

Waste Disposed	Land Use	tons	Total CO2	CH4	N2O	CO2e
	Land Use		MT/yr			
	Unrefrigerated 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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Lift Station 22 - Yuba County, Annual

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	45	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

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 (25 - 50 HP)	2.2000e-004	1.1600e-003	8.9000e-004	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.1028	0.1028	1.0000e-005	0.0000	0.1032
Total	2.2000e-004	1.1600e-003	8.9000e-004	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.1028	0.1028	1.0000e-005	0.0000	0.1032

11.0 Vegetation

Lift Station 22 - Yuba County, Summer

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

Lift Station 22
Yuba County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	4.33	1000sqft	0.10	4,330.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Combined phases provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

Lift Station 22 - Yuba County, Summer

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

Trips and VMT -

Grading -

Vehicle Trips - Maintenance trips in Pump Station 1

Energy Use - n/a

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	11.00
tblConstructionPhase	NumDays	100.00	11.00
tblConstructionPhase	NumDays	100.00	44.00
tblConstructionPhase	NumDays	2.00	33.00
tblConstructionPhase	NumDays	5.00	11.00
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6550e-003	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.5660e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.4350e-003	0.00

Lift Station 22 - Yuba County, Summer

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00

Lift Station 22 - Yuba County, Summer

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		PG&E Site Painting

Lift Station 22 - Yuba County, Summer

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

tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Grading Rough

Lift Station 22 - Yuba County, Summer

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

tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	7.72	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	200.00	45.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	6.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	1,898,562.50	0.00

2.0 Emissions Summary

Lift Station 22 - Yuba County, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.0137	17.4885	15.9521	0.0382	8.9223	0.7499	9.6722	4.2641	0.6915	4.9556	0.0000	3,692.5084	3,692.5084	1.1314	5.3900e-003	3,722.0150
2025	18.9234	10.7114	12.8996	0.0426	0.1643	0.4007	0.5289	0.0436	0.3692	0.3806	0.0000	4,122.4404	4,122.4404	1.3262	3.8200e-003	4,155.6470
Maximum	18.9234	17.4885	15.9521	0.0426	8.9223	0.7499	9.6722	4.2641	0.6915	4.9556	0.0000	4,122.4404	4,122.4404	1.3262	5.3900e-003	4,155.6470

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.0137	17.4885	15.9521	0.0382	8.9223	0.7499	9.6722	4.2641	0.6915	4.9556	0.0000	3,692.5084	3,692.5084	1.1314	5.3900e-003	3,722.0150
2025	18.9234	10.7114	12.8996	0.0426	0.1643	0.4007	0.5289	0.0436	0.3692	0.3806	0.0000	4,122.4404	4,122.4404	1.3262	3.8200e-003	4,155.6470
Maximum	18.9234	17.4885	15.9521	0.0426	8.9223	0.7499	9.6722	4.2641	0.6915	4.9556	0.0000	4,122.4404	4,122.4404	1.3262	5.3900e-003	4,155.6470

Lift Station 22 - Yuba County, Summer

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

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

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	0.1449	0.0000	4.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.5000e-004	9.5000e-004	0.0000		1.0100e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.0369	0.1925	0.1486	1.8000e-004		0.0162	0.0162		0.0162	0.0162		18.8891	18.8891	2.6500e-003		18.9553
Total	0.1818	0.1925	0.1491	1.8000e-004	0.0000	0.0162	0.0162	0.0000	0.0162	0.0162		18.8900	18.8900	2.6500e-003	0.0000	18.9563

Lift Station 22 - Yuba County, Summer

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1449	0.0000	4.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.5000e-004	9.5000e-004	0.0000		1.0100e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.0369	0.1925	0.1486	1.8000e-004		0.0162	0.0162		0.0162	0.0162		18.8891	18.8891	2.6500e-003		18.9553
Total	0.1818	0.1925	0.1491	1.8000e-004	0.0000	0.0162	0.0162	0.0000	0.0162	0.0162		18.8900	18.8900	2.6500e-003	0.0000	18.9563

	ROG	NOx	CO	SO2	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	Grading Rough	Grading	1/1/2024	2/14/2024	5	33	
2	Piping Underground	Trenching	2/15/2024	5/16/2024	5	66	
3	Site Electrical	Trenching	5/17/2024	8/16/2024	5	66	
4	Site Lighting	Trenching	8/17/2024	9/2/2024	5	11	

Lift Station 22 - Yuba County, Summer

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

5	Wet Well Construction	Trenching	9/3/2024	10/17/2024	5	33
6	Wall and Generator	Building Construction	10/18/2024	11/1/2024	5	11
7	Pumps and Piping	Building Construction	11/2/2024	1/2/2025	5	44
8	Final Grading and Paving	Paving	1/3/2025	1/17/2025	5	11
9	PG&E Site Painting	Architectural Coating	1/18/2025	2/3/2025	5	11

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 40.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 12,323; Non-Residential Outdoor: 4,108; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading Rough	Dumpers/Tenders	1	6.00	16	0.38
Grading Rough	Excavators	1	6.00	158	0.38
Grading Rough	Forklifts	1	6.00	89	0.20
Grading Rough	Graders	1	6.00	187	0.41
Grading Rough	Off-Highway Trucks	2	6.00	250	0.38
Grading Rough	Plate Compactors	1	6.00	8	0.43
Grading Rough	Rollers	1	6.00	80	0.38
Grading Rough	Rubber Tired Dozers	1	6.00	247	0.40
Grading Rough	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Piping Underground	Dumpers/Tenders	1	6.00	16	0.38
Piping Underground	Forklifts	1	6.00	89	0.20
Piping Underground	Off-Highway Trucks	2	6.00	250	0.38
Piping Underground	Off-Highway Trucks	1	6.00	402	0.38
Piping Underground	Plate Compactors	1	6.00	8	0.43
Piping Underground	Tractors/Loaders/Backhoes	1	6.00	97	0.37

Lift Station 22 - Yuba County, Summer

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

Site Electrical	Dumpers/Tenders	1	6.00	16	0.38
Site Electrical	Forklifts	1	6.00	89	0.20
Site Electrical	Off-Highway Trucks	1	6.00	250	0.38
Site Electrical	Off-Highway Trucks	1	6.00	402	0.38
Site Electrical	Plate Compactors	1	6.00	8	0.43
Site Electrical	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Lighting	Dumpers/Tenders	1	6.00	16	0.38
Site Lighting	Forklifts	1	6.00	89	0.20
Site Lighting	Off-Highway Trucks	1	6.00	250	0.38
Site Lighting	Off-Highway Trucks	1	6.00	402	0.38
Site Lighting	Plate Compactors	1	6.00	8	0.43
Site Lighting	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wet Well Construction	Cranes	1	1.00	231	0.29
Wet Well Construction	Dumpers/Tenders	1	6.00	16	0.38
Wet Well Construction	Excavators	1	4.00	158	0.38
Wet Well Construction	Forklifts	1	6.00	89	0.20
Wet Well Construction	Off-Highway Trucks	2	6.00	250	0.38
Wet Well Construction	Off-Highway Trucks	1	6.00	402	0.38
Wet Well Construction	Plate Compactors	1	6.00	8	0.43
Wet Well Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wall and Generator	Aerial Lifts	1	8.00	63	0.31
Wall and Generator	Dumpers/Tenders	1	8.00	16	0.38
Wall and Generator	Forklifts	1	8.00	89	0.20
Wall and Generator	Off-Highway Trucks	2	8.00	250	0.38
Wall and Generator	Off-Highway Trucks	1	8.00	402	0.38
Wall and Generator	Plate Compactors	1	8.00	8	0.43
Wall and Generator	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pumps and Piping	Aerial Lifts	1	6.00	63	0.31
Pumps and Piping	Dumpers/Tenders	1	6.00	16	0.38

Lift Station 22 - Yuba County, Summer

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

Pumps and Piping	Excavators	1	6.00	158	0.38
Pumps and Piping	Forklifts	1	6.00	89	0.20
Pumps and Piping	Off-Highway Trucks	2	6.00	250	0.38
Pumps and Piping	Off-Highway Trucks	1	6.00	402	0.38
Pumps and Piping	Plate Compactors	1	6.00	8	0.43
Pumps and Piping	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Pumps and Piping	Welders	1	6.00	46	0.45
Final Grading and Paving	Dumpers/Tenders	1	6.00	16	0.38
Final Grading and Paving	Forklifts	1	6.00	89	0.20
Final Grading and Paving	Graders	1	6.00	187	0.41
Final Grading and Paving	Off-Highway Trucks	1	6.00	250	0.38
Final Grading and Paving	Off-Highway Trucks	1	6.00	402	0.38
Final Grading and Paving	Pavers	1	6.00	130	0.42
Final Grading and Paving	Plate Compactors	1	6.00	8	0.43
Final Grading and Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
PG&E Site Painting	Aerial Lifts	2	6.00	63	0.31
PG&E Site Painting	Dumpers/Tenders	1	3.00	16	0.38
PG&E Site Painting	Forklifts	1	6.00	89	0.20
PG&E Site Painting	Off-Highway Trucks	4	8.00	250	0.38
PG&E Site Painting	Off-Highway Trucks	1	3.00	402	0.38
PG&E Site Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading Rough	11	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Piping Underground	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Electrical	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Lift Station 22 - Yuba County, Summer

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

Site Lighting	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wet Well Construction	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wall and Generator	8	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Pumps and Piping	10	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading and Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PG&E Site Painting	10	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading Rough - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6923	0.0000	8.6923	4.2031	0.0000	4.2031			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905		3,480.669 3	3,480.669 3	1.1102		3,508.423 4
Total	1.9112	17.4364	15.1455	0.0361	8.6923	0.7488	9.4410	4.2031	0.6905	4.8936		3,480.669 3	3,480.669 3	1.1102		3,508.423 4

Lift Station 22 - Yuba County, Summer

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

3.2 Grading Rough - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915
Total	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6923	0.0000	8.6923	4.2031	0.0000	4.2031			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234
Total	1.9112	17.4364	15.1455	0.0361	8.6923	0.7488	9.4410	4.2031	0.6905	4.8936	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234

Lift Station 22 - Yuba County, Summer

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

3.2 Grading Rough - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915
Total	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915

3.3 Piping Underground - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969

Lift Station 22 - Yuba County, Summer

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

3.3 Piping Underground - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089
Total	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969

Lift Station 22 - Yuba County, Summer

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

3.3 Piping Underground - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089
Total	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089

3.4 Site Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271

Lift Station 22 - Yuba County, Summer

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

3.4 Site Electrical - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240
Total	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271

Lift Station 22 - Yuba County, Summer

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

3.4 Site Electrical - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240
Total	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240

3.5 Site Lighting - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271

Lift Station 22 - Yuba County, Summer

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

3.5 Site Lighting - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240
Total	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271

Lift Station 22 - Yuba County, Summer

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

3.5 Site Lighting - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240
Total	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240

3.6 Wet Well Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579		2,868.1660	2,868.1660	0.9121		2,890.9677
Total	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579		2,868.1660	2,868.1660	0.9121		2,890.9677

Lift Station 22 - Yuba County, Summer

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

3.6 Wet Well Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0843	0.0428	0.6626	1.6900e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		174.0107	174.0107	4.7600e-003	4.4300e-003	175.4502
Total	0.0843	0.0428	0.6626	1.6900e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		174.0107	174.0107	4.7600e-003	4.4300e-003	175.4502

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579	0.0000	2,868.1660	2,868.1660	0.9121		2,890.9677
Total	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579	0.0000	2,868.1660	2,868.1660	0.9121		2,890.9677

Lift Station 22 - Yuba County, Summer

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

3.6 Wet Well Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0843	0.0428	0.6626	1.6900e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		174.0107	174.0107	4.7600e-003	4.4300e-003	175.4502
Total	0.0843	0.0428	0.6626	1.6900e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		174.0107	174.0107	4.7600e-003	4.4300e-003	175.4502

3.7 Wall and Generator - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209		3,560.1964	3,560.1964	1.1307		3,588.4639
Total	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209		3,560.1964	3,560.1964	1.1307		3,588.4639

Lift Station 22 - Yuba County, Summer

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

3.7 Wall and Generator - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4500e-003	0.0582	0.0135	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2005	23.2005	8.0000e-005	3.3600e-003	24.2047
Worker	0.0110	5.5800e-003	0.0864	2.2000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		22.6970	22.6970	6.2000e-004	5.8000e-004	22.8848
Total	0.0124	0.0638	0.0999	4.4000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		45.8975	45.8975	7.0000e-004	3.9400e-003	47.0895

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209	0.0000	3,560.1964	3,560.1964	1.1307		3,588.4639
Total	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209	0.0000	3,560.1964	3,560.1964	1.1307		3,588.4639

Lift Station 22 - Yuba County, Summer

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

3.7 Wall and Generator - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4500e-003	0.0582	0.0135	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2005	23.2005	8.0000e-005	3.3600e-003	24.2047
Worker	0.0110	5.5800e-003	0.0864	2.2000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		22.6970	22.6970	6.2000e-004	5.8000e-004	22.8848
Total	0.0124	0.0638	0.0999	4.4000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		45.8975	45.8975	7.0000e-004	3.9400e-003	47.0895

3.8 Pumps and Piping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990		3,200.9546	3,200.9546	0.9853		3,225.5860
Total	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990		3,200.9546	3,200.9546	0.9853		3,225.5860

Lift Station 22 - Yuba County, Summer

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

3.8 Pumps and Piping - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4500e-003	0.0582	0.0135	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2005	23.2005	8.0000e-005	3.3600e-003	24.2047
Worker	0.0110	5.5800e-003	0.0864	2.2000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		22.6970	22.6970	6.2000e-004	5.8000e-004	22.8848
Total	0.0124	0.0638	0.0999	4.4000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		45.8975	45.8975	7.0000e-004	3.9400e-003	47.0895

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990	0.0000	3,200.9546	3,200.9546	0.9853		3,225.5860
Total	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990	0.0000	3,200.9546	3,200.9546	0.9853		3,225.5860

Lift Station 22 - Yuba County, Summer

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

3.8 Pumps and Piping - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4500e-003	0.0582	0.0135	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2005	23.2005	8.0000e-005	3.3600e-003	24.2047
Worker	0.0110	5.5800e-003	0.0864	2.2000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		22.6970	22.6970	6.2000e-004	5.8000e-004	22.8848
Total	0.0124	0.0638	0.0999	4.4000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		45.8975	45.8975	7.0000e-004	3.9400e-003	47.0895

3.8 Pumps and Piping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365		3,200.7525	3,200.7525	0.9841		3,225.3549
Total	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365		3,200.7525	3,200.7525	0.9841		3,225.3549

Lift Station 22 - Yuba County, Summer

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

3.8 Pumps and Piping - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3900e-003	0.0562	0.0131	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.3000e-004	2.2700e-003		22.7854	22.7854	7.0000e-005	3.2900e-003	23.7667
Worker	0.0102	4.9300e-003	0.0795	2.1000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		22.1403	22.1403	5.6000e-004	5.3000e-004	22.3135
Total	0.0116	0.0612	0.0926	4.3000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.3000e-004	8.9100e-003		44.9256	44.9256	6.3000e-004	3.8200e-003	46.0803

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365	0.0000	3,200.7525	3,200.7525	0.9841		3,225.3548
Total	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365	0.0000	3,200.7525	3,200.7525	0.9841		3,225.3548

Lift Station 22 - Yuba County, Summer

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

3.8 Pumps and Piping - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3900e-003	0.0562	0.0131	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.3000e-004	2.2700e-003		22.7854	22.7854	7.0000e-005	3.2900e-003	23.7667
Worker	0.0102	4.9300e-003	0.0795	2.1000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		22.1403	22.1403	5.6000e-004	5.3000e-004	22.3135
Total	0.0116	0.0612	0.0926	4.3000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.3000e-004	8.9100e-003		44.9256	44.9256	6.3000e-004	3.8200e-003	46.0803

3.9 Final Grading and Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363		2,779.8308	2,779.8308	0.8835		2,801.9183
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363		2,779.8308	2,779.8308	0.8835		2,801.9183

Lift Station 22 - Yuba County, Summer

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

3.9 Final Grading and Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0680	0.0329	0.5303	1.4200e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		147.6017	147.6017	3.7100e-003	3.5600e-003	148.7568
Total	0.0680	0.0329	0.5303	1.4200e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		147.6017	147.6017	3.7100e-003	3.5600e-003	148.7568

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363	0.0000	2,779.8308	2,779.8308	0.8835		2,801.9183
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363	0.0000	2,779.8308	2,779.8308	0.8835		2,801.9183

Lift Station 22 - Yuba County, Summer

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

3.9 Final Grading and Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0680	0.0329	0.5303	1.4200e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		147.6017	147.6017	3.7100e-003	3.5600e-003	148.7568
Total	0.0680	0.0329	0.5303	1.4200e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		147.6017	147.6017	3.7100e-003	3.5600e-003	148.7568

3.10 PG&E Site Painting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	17.3086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092
Total	18.9200	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092

Lift Station 22 - Yuba County, Summer

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

3.10 PG&E Site Painting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-003	1.6400e-003	0.0265	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		7.3801	7.3801	1.9000e-004	1.8000e-004	7.4378
Total	3.4000e-003	1.6400e-003	0.0265	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		7.3801	7.3801	1.9000e-004	1.8000e-004	7.4378

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	17.3086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092
Total	18.9200	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092

Lift Station 22 - Yuba County, Summer

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

3.10 PG&E Site Painting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-003	1.6400e-003	0.0265	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		7.3801	7.3801	1.9000e-004	1.8000e-004	7.4378
Total	3.4000e-003	1.6400e-003	0.0265	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		7.3801	7.3801	1.9000e-004	1.8000e-004	7.4378

Lift Station 22 - Yuba County, Summer

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	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

Lift Station 22 - Yuba County, Summer

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

5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	0	0.0000	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1449	0.0000	4.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.5000e-004	9.5000e-004	0.0000		1.0100e-003
Unmitigated	0.1449	0.0000	4.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.5000e-004	9.5000e-004	0.0000		1.0100e-003

Lift Station 22 - Yuba County, Summer

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0927					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.5000e-004	9.5000e-004	0.0000		1.0100e-003
Total	0.1449	0.0000	4.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.5000e-004	9.5000e-004	0.0000		1.0100e-003

Lift Station 22 - Yuba County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0927					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.5000e-004	9.5000e-004	0.0000		1.0100e-003
Total	0.1449	0.0000	4.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.5000e-004	9.5000e-004	0.0000		1.0100e-003

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

Lift Station 22 - Yuba County, Summer

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

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	45	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

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 (25 - 50 HP)	0.0369	0.1925	0.1486	1.8000e-004		0.0162	0.0162		0.0162	0.0162		18.8891	18.8891	2.6500e-003		18.9553
Total	0.0369	0.1925	0.1486	1.8000e-004		0.0162	0.0162		0.0162	0.0162		18.8891	18.8891	2.6500e-003		18.9553

11.0 Vegetation

Lift Station 22 - Yuba County, Winter

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

Lift Station 22
Yuba County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	4.33	1000sqft	0.10	4,330.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Combined phases provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

Lift Station 22 - Yuba County, Winter

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

Trips and VMT -

Grading -

Vehicle Trips - Maintenance trips in Pump Station 1

Energy Use - n/a

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	11.00
tblConstructionPhase	NumDays	100.00	11.00
tblConstructionPhase	NumDays	100.00	44.00
tblConstructionPhase	NumDays	2.00	33.00
tblConstructionPhase	NumDays	5.00	11.00
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6550e-003	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.5660e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.4350e-003	0.00

Lift Station 22 - Yuba County, Winter

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00

Lift Station 22 - Yuba County, Winter

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		PG&E Site Painting

Lift Station 22 - Yuba County, Winter

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

tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Grading Rough

Lift Station 22 - Yuba County, Winter

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

tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	7.72	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	200.00	45.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	6.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	1,898,562.50	0.00

2.0 Emissions Summary

Lift Station 22 - Yuba County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.0009	17.5013	15.8483	0.0380	8.9223	0.7499	9.6722	4.2641	0.6915	4.9556	0.0000	3,668.9777	3,668.9777	1.1315	6.2500e-003	3,698.7640
2025	18.9229	10.7118	12.8902	0.0426	0.1643	0.4007	0.5289	0.0436	0.3692	0.3806	0.0000	4,121.6229	4,121.6229	1.3262	4.1300e-003	4,154.8387
Maximum	18.9229	17.5013	15.8483	0.0426	8.9223	0.7499	9.6722	4.2641	0.6915	4.9556	0.0000	4,121.6229	4,121.6229	1.3262	6.2500e-003	4,154.8387

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.0009	17.5013	15.8483	0.0380	8.9223	0.7499	9.6722	4.2641	0.6915	4.9556	0.0000	3,668.9777	3,668.9777	1.1315	6.2500e-003	3,698.7640
2025	18.9229	10.7118	12.8902	0.0426	0.1643	0.4007	0.5289	0.0436	0.3692	0.3806	0.0000	4,121.6229	4,121.6229	1.3262	4.1300e-003	4,154.8387
Maximum	18.9229	17.5013	15.8483	0.0426	8.9223	0.7499	9.6722	4.2641	0.6915	4.9556	0.0000	4,121.6229	4,121.6229	1.3262	6.2500e-003	4,154.8387

Lift Station 22 - Yuba County, Winter

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

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

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	0.1449	0.0000	4.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.5000e-004	9.5000e-004	0.0000		1.0100e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.0369	0.1925	0.1486	1.8000e-004		0.0162	0.0162		0.0162	0.0162		18.8891	18.8891	2.6500e-003		18.9553
Total	0.1818	0.1925	0.1491	1.8000e-004	0.0000	0.0162	0.0162	0.0000	0.0162	0.0162		18.8900	18.8900	2.6500e-003	0.0000	18.9563

Lift Station 22 - Yuba County, Winter

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1449	0.0000	4.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.5000e-004	9.5000e-004	0.0000		1.0100e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.0369	0.1925	0.1486	1.8000e-004		0.0162	0.0162		0.0162	0.0162		18.8891	18.8891	2.6500e-003		18.9553
Total	0.1818	0.1925	0.1491	1.8000e-004	0.0000	0.0162	0.0162	0.0000	0.0162	0.0162		18.8900	18.8900	2.6500e-003	0.0000	18.9563

	ROG	NOx	CO	SO2	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	Grading Rough	Grading	1/1/2024	2/14/2024	5	33	
2	Piping Underground	Trenching	2/15/2024	5/16/2024	5	66	
3	Site Electrical	Trenching	5/17/2024	8/16/2024	5	66	
4	Site Lighting	Trenching	8/17/2024	9/2/2024	5	11	

Lift Station 22 - Yuba County, Winter

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

5	Wet Well Construction	Trenching	9/3/2024	10/17/2024	5	33
6	Wall and Generator	Building Construction	10/18/2024	11/1/2024	5	11
7	Pumps and Piping	Building Construction	11/2/2024	1/2/2025	5	44
8	Final Grading and Paving	Paving	1/3/2025	1/17/2025	5	11
9	PG&E Site Painting	Architectural Coating	1/18/2025	2/3/2025	5	11

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 40.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 12,323; Non-Residential Outdoor: 4,108; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading Rough	Dumpers/Tenders	1	6.00	16	0.38
Grading Rough	Excavators	1	6.00	158	0.38
Grading Rough	Forklifts	1	6.00	89	0.20
Grading Rough	Graders	1	6.00	187	0.41
Grading Rough	Off-Highway Trucks	2	6.00	250	0.38
Grading Rough	Plate Compactors	1	6.00	8	0.43
Grading Rough	Rollers	1	6.00	80	0.38
Grading Rough	Rubber Tired Dozers	1	6.00	247	0.40
Grading Rough	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Piping Underground	Dumpers/Tenders	1	6.00	16	0.38
Piping Underground	Forklifts	1	6.00	89	0.20
Piping Underground	Off-Highway Trucks	2	6.00	250	0.38
Piping Underground	Off-Highway Trucks	1	6.00	402	0.38
Piping Underground	Plate Compactors	1	6.00	8	0.43
Piping Underground	Tractors/Loaders/Backhoes	1	6.00	97	0.37

Lift Station 22 - Yuba County, Winter

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

Site Electrical	Dumpers/Tenders	1	6.00	16	0.38
Site Electrical	Forklifts	1	6.00	89	0.20
Site Electrical	Off-Highway Trucks	1	6.00	250	0.38
Site Electrical	Off-Highway Trucks	1	6.00	402	0.38
Site Electrical	Plate Compactors	1	6.00	8	0.43
Site Electrical	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Lighting	Dumpers/Tenders	1	6.00	16	0.38
Site Lighting	Forklifts	1	6.00	89	0.20
Site Lighting	Off-Highway Trucks	1	6.00	250	0.38
Site Lighting	Off-Highway Trucks	1	6.00	402	0.38
Site Lighting	Plate Compactors	1	6.00	8	0.43
Site Lighting	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wet Well Construction	Cranes	1	1.00	231	0.29
Wet Well Construction	Dumpers/Tenders	1	6.00	16	0.38
Wet Well Construction	Excavators	1	4.00	158	0.38
Wet Well Construction	Forklifts	1	6.00	89	0.20
Wet Well Construction	Off-Highway Trucks	2	6.00	250	0.38
Wet Well Construction	Off-Highway Trucks	1	6.00	402	0.38
Wet Well Construction	Plate Compactors	1	6.00	8	0.43
Wet Well Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wall and Generator	Aerial Lifts	1	8.00	63	0.31
Wall and Generator	Dumpers/Tenders	1	8.00	16	0.38
Wall and Generator	Forklifts	1	8.00	89	0.20
Wall and Generator	Off-Highway Trucks	2	8.00	250	0.38
Wall and Generator	Off-Highway Trucks	1	8.00	402	0.38
Wall and Generator	Plate Compactors	1	8.00	8	0.43
Wall and Generator	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pumps and Piping	Aerial Lifts	1	6.00	63	0.31
Pumps and Piping	Dumpers/Tenders	1	6.00	16	0.38

Lift Station 22 - Yuba County, Winter

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

Pumps and Piping	Excavators	1	6.00	158	0.38
Pumps and Piping	Forklifts	1	6.00	89	0.20
Pumps and Piping	Off-Highway Trucks	2	6.00	250	0.38
Pumps and Piping	Off-Highway Trucks	1	6.00	402	0.38
Pumps and Piping	Plate Compactors	1	6.00	8	0.43
Pumps and Piping	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Pumps and Piping	Welders	1	6.00	46	0.45
Final Grading and Paving	Dumpers/Tenders	1	6.00	16	0.38
Final Grading and Paving	Forklifts	1	6.00	89	0.20
Final Grading and Paving	Graders	1	6.00	187	0.41
Final Grading and Paving	Off-Highway Trucks	1	6.00	250	0.38
Final Grading and Paving	Off-Highway Trucks	1	6.00	402	0.38
Final Grading and Paving	Pavers	1	6.00	130	0.42
Final Grading and Paving	Plate Compactors	1	6.00	8	0.43
Final Grading and Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
PG&E Site Painting	Aerial Lifts	2	6.00	63	0.31
PG&E Site Painting	Dumpers/Tenders	1	3.00	16	0.38
PG&E Site Painting	Forklifts	1	6.00	89	0.20
PG&E Site Painting	Off-Highway Trucks	4	8.00	250	0.38
PG&E Site Painting	Off-Highway Trucks	1	3.00	402	0.38
PG&E Site Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading Rough	11	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Piping Underground	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Electrical	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Lift Station 22 - Yuba County, Winter

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

Site Lighting	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wet Well Construction	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wall and Generator	8	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Pumps and Piping	10	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading and Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PG&E Site Painting	10	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading Rough - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6923	0.0000	8.6923	4.2031	0.0000	4.2031			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905		3,480.6693	3,480.6693	1.1102		3,508.4234
Total	1.9112	17.4364	15.1455	0.0361	8.6923	0.7488	9.4410	4.2031	0.6905	4.8936		3,480.6693	3,480.6693	1.1102		3,508.4234

Lift Station 22 - Yuba County, Winter

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

3.2 Grading Rough - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406
Total	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6923	0.0000	8.6923	4.2031	0.0000	4.2031			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234
Total	1.9112	17.4364	15.1455	0.0361	8.6923	0.7488	9.4410	4.2031	0.6905	4.8936	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234

Lift Station 22 - Yuba County, Winter

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

3.2 Grading Rough - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406
Total	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406

3.3 Piping Underground - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969

Lift Station 22 - Yuba County, Winter

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

3.3 Piping Underground - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618
Total	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969

Lift Station 22 - Yuba County, Winter

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

3.3 Piping Underground - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618
Total	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618

3.4 Site Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271

Lift Station 22 - Yuba County, Winter

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

3.4 Site Electrical - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682
Total	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271

Lift Station 22 - Yuba County, Winter

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

3.4 Site Electrical - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682
Total	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682

3.5 Site Lighting - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271

Lift Station 22 - Yuba County, Winter

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

3.5 Site Lighting - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682
Total	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271

Lift Station 22 - Yuba County, Winter

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

3.5 Site Lighting - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682
Total	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682

3.6 Wet Well Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579		2,868.1660	2,868.1660	0.9121		2,890.9677
Total	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579		2,868.1660	2,868.1660	0.9121		2,890.9677

Lift Station 22 - Yuba County, Winter

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

3.6 Wet Well Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0737	0.0534	0.5773	1.5000e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		154.6819	154.6819	5.5300e-003	5.1400e-003	156.3512
Total	0.0737	0.0534	0.5773	1.5000e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		154.6819	154.6819	5.5300e-003	5.1400e-003	156.3512

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579	0.0000	2,868.1660	2,868.1660	0.9121		2,890.9677
Total	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579	0.0000	2,868.1660	2,868.1660	0.9121		2,890.9677

Lift Station 22 - Yuba County, Winter

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

3.6 Wet Well Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0737	0.0534	0.5773	1.5000e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		154.6819	154.6819	5.5300e-003	5.1400e-003	156.3512
Total	0.0737	0.0534	0.5773	1.5000e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		154.6819	154.6819	5.5300e-003	5.1400e-003	156.3512

3.7 Wall and Generator - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209		3,560.1964	3,560.1964	1.1307		3,588.4639
Total	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209		3,560.1964	3,560.1964	1.1307		3,588.4639

Lift Station 22 - Yuba County, Winter

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

3.7 Wall and Generator - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4100e-003	0.0627	0.0140	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2183	23.2183	8.0000e-005	3.3700e-003	24.2248
Worker	9.6100e-003	6.9600e-003	0.0753	2.0000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		20.1759	20.1759	7.2000e-004	6.7000e-004	20.3936
Total	0.0110	0.0697	0.0893	4.2000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		43.3942	43.3942	8.0000e-004	4.0400e-003	44.6184

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209	0.0000	3,560.1964	3,560.1964	1.1307		3,588.4639
Total	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209	0.0000	3,560.1964	3,560.1964	1.1307		3,588.4639

Lift Station 22 - Yuba County, Winter

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

3.7 Wall and Generator - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4100e-003	0.0627	0.0140	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2183	23.2183	8.0000e-005	3.3700e-003	24.2248
Worker	9.6100e-003	6.9600e-003	0.0753	2.0000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		20.1759	20.1759	7.2000e-004	6.7000e-004	20.3936
Total	0.0110	0.0697	0.0893	4.2000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		43.3942	43.3942	8.0000e-004	4.0400e-003	44.6184

3.8 Pumps and Piping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990		3,200.9546	3,200.9546	0.9853		3,225.5860
Total	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990		3,200.9546	3,200.9546	0.9853		3,225.5860

Lift Station 22 - Yuba County, Winter

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

3.8 Pumps and Piping - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4100e-003	0.0627	0.0140	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2183	23.2183	8.0000e-005	3.3700e-003	24.2248
Worker	9.6100e-003	6.9600e-003	0.0753	2.0000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		20.1759	20.1759	7.2000e-004	6.7000e-004	20.3936
Total	0.0110	0.0697	0.0893	4.2000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		43.3942	43.3942	8.0000e-004	4.0400e-003	44.6184

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990	0.0000	3,200.9546	3,200.9546	0.9853		3,225.5860
Total	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990	0.0000	3,200.9546	3,200.9546	0.9853		3,225.5860

Lift Station 22 - Yuba County, Winter

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

3.8 Pumps and Piping - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4100e-003	0.0627	0.0140	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2183	23.2183	8.0000e-005	3.3700e-003	24.2248
Worker	9.6100e-003	6.9600e-003	0.0753	2.0000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		20.1759	20.1759	7.2000e-004	6.7000e-004	20.3936
Total	0.0110	0.0697	0.0893	4.2000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		43.3942	43.3942	8.0000e-004	4.0400e-003	44.6184

3.8 Pumps and Piping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365		3,200.7525	3,200.7525	0.9841		3,225.3549
Total	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365		3,200.7525	3,200.7525	0.9841		3,225.3549

Lift Station 22 - Yuba County, Winter

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

3.8 Pumps and Piping - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3500e-003	0.0606	0.0136	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.4000e-004	2.2800e-003		22.8048	22.8048	7.0000e-005	3.2900e-003	23.7885
Worker	8.9300e-003	6.1400e-003	0.0697	1.9000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		19.6877	19.6877	6.5000e-004	6.2000e-004	19.8886
Total	0.0103	0.0668	0.0833	4.1000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.4000e-004	8.9200e-003		42.4925	42.4925	7.2000e-004	3.9100e-003	43.6771

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365	0.0000	3,200.7525	3,200.7525	0.9841		3,225.3548
Total	1.3879	9.4518	12.8070	0.0336		0.3613	0.3613		0.3365	0.3365	0.0000	3,200.7525	3,200.7525	0.9841		3,225.3548

Lift Station 22 - Yuba County, Winter

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

3.8 Pumps and Piping - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3500e-003	0.0606	0.0136	2.2000e-004	6.7500e-003	3.5000e-004	7.1000e-003	1.9400e-003	3.4000e-004	2.2800e-003		22.8048	22.8048	7.0000e-005	3.2900e-003	23.7885
Worker	8.9300e-003	6.1400e-003	0.0697	1.9000e-004	0.0246	1.1000e-004	0.0248	6.5400e-003	1.0000e-004	6.6400e-003		19.6877	19.6877	6.5000e-004	6.2000e-004	19.8886
Total	0.0103	0.0668	0.0833	4.1000e-004	0.0314	4.6000e-004	0.0319	8.4800e-003	4.4000e-004	8.9200e-003		42.4925	42.4925	7.2000e-004	3.9100e-003	43.6771

3.9 Final Grading and Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363		2,779.8308	2,779.8308	0.8835		2,801.9183
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363		2,779.8308	2,779.8308	0.8835		2,801.9183

Lift Station 22 - Yuba County, Winter

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

3.9 Final Grading and Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0595	0.0409	0.4645	1.2600e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		131.2514	131.2514	4.3300e-003	4.1300e-003	132.5906
Total	0.0595	0.0409	0.4645	1.2600e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		131.2514	131.2514	4.3300e-003	4.1300e-003	132.5906

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363	0.0000	2,779.8308	2,779.8308	0.8835		2,801.9183
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2036	9.5001	10.1489	0.0289		0.3638	0.3638		0.3363	0.3363	0.0000	2,779.8308	2,779.8308	0.8835		2,801.9183

Lift Station 22 - Yuba County, Winter

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

3.9 Final Grading and Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0595	0.0409	0.4645	1.2600e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		131.2514	131.2514	4.3300e-003	4.1300e-003	132.5906
Total	0.0595	0.0409	0.4645	1.2600e-003	0.1643	7.5000e-004	0.1650	0.0436	6.9000e-004	0.0443		131.2514	131.2514	4.3300e-003	4.1300e-003	132.5906

3.10 PG&E Site Painting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	17.3086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092
Total	18.9200	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092

Lift Station 22 - Yuba County, Winter

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

3.10 PG&E Site Painting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295
Total	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	17.3086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092
Total	18.9200	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092

Lift Station 22 - Yuba County, Winter

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

3.10 PG&E Site Painting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295
Total	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295

Lift Station 22 - Yuba County, Winter

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	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

Lift Station 22 - Yuba County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated 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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1449	0.0000	4.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.5000e-004	9.5000e-004	0.0000		1.0100e-003
Unmitigated	0.1449	0.0000	4.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.5000e-004	9.5000e-004	0.0000		1.0100e-003

Lift Station 22 - Yuba County, Winter

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0927					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.5000e-004	9.5000e-004	0.0000		1.0100e-003
Total	0.1449	0.0000	4.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.5000e-004	9.5000e-004	0.0000		1.0100e-003

Lift Station 22 - Yuba County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0927					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.5000e-004	9.5000e-004	0.0000		1.0100e-003
Total	0.1449	0.0000	4.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.5000e-004	9.5000e-004	0.0000		1.0100e-003

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

Lift Station 22 - Yuba County, Winter

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

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	45	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

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 (25 - 50 HP)	0.0369	0.1925	0.1486	1.8000e-004		0.0162	0.0162		0.0162	0.0162		18.8891	18.8891	2.6500e-003		18.9553
Total	0.0369	0.1925	0.1486	1.8000e-004		0.0162	0.0162		0.0162	0.0162		18.8891	18.8891	2.6500e-003		18.9553

11.0 Vegetation

Lift Station 23 - Yuba County, Annual

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

**Lift Station 23
Yuba County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	5.08	1000sqft	0.12	5,075.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Combined phases provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

Lift Station 23 - Yuba County, Annual

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

Trips and VMT -

Grading -

Vehicle Trips - Maintenance trips in Pump Station 1

Energy Use - n/a

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	100.00	10.00
tblConstructionPhase	NumDays	100.00	40.00
tblConstructionPhase	NumDays	2.00	30.00
tblConstructionPhase	NumDays	5.00	10.00
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6550e-003	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.5660e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.4350e-003	0.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		PG&E Site Painting

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

tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Electrical
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tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Grading Rough

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

tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	7.72	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	200.00	45.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	6.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	1,898,562.50	0.00

2.0 Emissions Summary

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	0.4504	0.4504
2	4-1-2024	6-30-2024	0.2657	0.2657
3	7-1-2024	9-30-2024	0.3142	0.3142
		Highest	0.4504	0.4504

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	0.0293	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.0000e-005	9.0000e-005	0.0000	0.0000	1.0000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	2.2000e-004	1.1600e-003	8.9000e-004	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.1028	0.1028	1.0000e-005	0.0000	0.1032
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	0.0296	1.1600e-003	9.4000e-004	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	1.0000e-004	1.0000e-004	0.0000	0.1029	0.1029	1.0000e-005	0.0000	0.1033

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0293	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.0000e-005	9.0000e-005	0.0000	0.0000	1.0000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	2.2000e-004	1.1600e-003	8.9000e-004	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.1028	0.1028	1.0000e-005	0.0000	0.1032
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	0.0296	1.1600e-003	9.4000e-004	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	1.0000e-004	1.0000e-004	0.0000	0.1029	0.1029	1.0000e-005	0.0000	0.1033

	ROG	NOx	CO	SO2	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	Grading Rough	Grading	1/1/2024	2/9/2024	5	30	
2	Piping Underground	Trenching	2/10/2024	5/3/2024	5	60	

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

3	Site Electrical	Trenching	5/4/2024	7/26/2024	5	60
4	Site Lighting	Trenching	7/27/2024	8/9/2024	5	10
5	Wet Well Construction	Trenching	8/10/2024	9/20/2024	5	30
6	Wall and Generator	Building Construction	9/21/2024	10/4/2024	5	10
7	Pumps and Piping	Building Construction	10/5/2024	11/29/2024	5	40
8	Final Grading and Paving	Paving	11/30/2024	12/13/2024	5	10
9	P&E Site Painting	Architectural Coating	12/14/2024	12/27/2024	5	10

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 40.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 12,323; Non-Residential Indoor: 4,108; Striped Parking Area: 0
 (Architectural Coating – sqft)

Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading Rough	Dumpers/Tenders	1	6.00	16	0.38
Grading Rough	Excavators	1	6.00	158	0.38
Grading Rough	Forklifts	1	6.00	89	0.20
Grading Rough	Graders	1	6.00	187	0.41
Grading Rough	Off-Highway Trucks	2	6.00	250	0.38
Grading Rough	Plate Compactors	1	6.00	8	0.43
Grading Rough	Rollers	1	6.00	80	0.38
Grading Rough	Rubber Tired Dozers	1	6.00	247	0.40
Grading Rough	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Piping Underground	Dumpers/Tenders	1	6.00	16	0.38
Piping Underground	Forklifts	1	6.00	89	0.20
Piping Underground	Off-Highway Trucks	2	6.00	250	0.38
Piping Underground	Off-Highway Trucks	1	6.00	402	0.38

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Piping Underground	Plate Compactors	1	6.00	8	0.43
Piping Underground	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Electrical	Dumpers/Tenders	1	6.00	16	0.38
Site Electrical	Forklifts	1	6.00	89	0.20
Site Electrical	Off-Highway Trucks	1	6.00	250	0.38
Site Electrical	Off-Highway Trucks	1	6.00	402	0.38
Site Electrical	Plate Compactors	1	6.00	8	0.43
Site Electrical	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Lighting	Dumpers/Tenders	1	6.00	16	0.38
Site Lighting	Forklifts	1	6.00	89	0.20
Site Lighting	Off-Highway Trucks	1	6.00	250	0.38
Site Lighting	Off-Highway Trucks	1	6.00	402	0.38
Site Lighting	Plate Compactors	1	6.00	8	0.43
Site Lighting	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wet Well Construction	Cranes	1	1.00	231	0.29
Wet Well Construction	Dumpers/Tenders	1	6.00	16	0.38
Wet Well Construction	Excavators	1	4.00	158	0.38
Wet Well Construction	Forklifts	1	6.00	89	0.20
Wet Well Construction	Off-Highway Trucks	2	6.00	250	0.38
Wet Well Construction	Off-Highway Trucks	1	6.00	402	0.38
Wet Well Construction	Plate Compactors	1	6.00	8	0.43
Wet Well Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wall and Generator	Aerial Lifts	1	8.00	63	0.31
Wall and Generator	Dumpers/Tenders	1	8.00	16	0.38
Wall and Generator	Forklifts	1	8.00	89	0.20
Wall and Generator	Off-Highway Trucks	2	8.00	250	0.38
Wall and Generator	Off-Highway Trucks	1	8.00	402	0.38
Wall and Generator	Plate Compactors	1	8.00	8	0.43
Wall and Generator	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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Pumps and Piping	Aerial Lifts	1	6.00	63	0.31
Pumps and Piping	Dumpers/Tenders	1	6.00	16	0.38
Pumps and Piping	Excavators	1	6.00	158	0.38
Pumps and Piping	Forklifts	1	6.00	89	0.20
Pumps and Piping	Off-Highway Trucks	2	6.00	250	0.38
Pumps and Piping	Off-Highway Trucks	1	6.00	402	0.38
Pumps and Piping	Plate Compactors	1	6.00	8	0.43
Pumps and Piping	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Pumps and Piping	Welders	1	6.00	46	0.45
Final Grading and Paving	Dumpers/Tenders	1	6.00	16	0.38
Final Grading and Paving	Forklifts	1	6.00	89	0.20
Final Grading and Paving	Graders	1	6.00	187	0.41
Final Grading and Paving	Off-Highway Trucks	1	6.00	250	0.38
Final Grading and Paving	Off-Highway Trucks	1	6.00	402	0.38
Final Grading and Paving	Pavers	1	6.00	130	0.42
Final Grading and Paving	Plate Compactors	1	6.00	8	0.43
Final Grading and Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
PG&E Site Painting	Aerial Lifts	2	6.00	63	0.31
PG&E Site Painting	Dumpers/Tenders	1	3.00	16	0.38
PG&E Site Painting	Forklifts	1	6.00	89	0.20
PG&E Site Painting	Off-Highway Trucks	4	8.00	250	0.38
PG&E Site Painting	Off-Highway Trucks	1	3.00	402	0.38
PG&E Site Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading Rough	11	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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Piping Underground	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Electrical	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Lighting	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wet Well Construction	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wall and Generator	8	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Pumps and Piping	10	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading and Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PG&E Site Painting	10	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading Rough - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1434	0.0000	0.1434	0.0694	0.0000	0.0694	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0287	0.2616	0.2272	5.4000e-004		0.0112	0.0112		0.0104	0.0104	0.0000	47.3642	47.3642	0.0151	0.0000	47.7418
Total	0.0287	0.2616	0.2272	5.4000e-004	0.1434	0.0112	0.1547	0.0694	0.0104	0.0797	0.0000	47.3642	47.3642	0.0151	0.0000	47.7418

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

3.2 Grading Rough - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-003	8.7000e-004	0.0104	3.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	8.9000e-004	0.0000	2.6287	2.6287	8.0000e-005	8.0000e-005	2.6543
Total	1.3000e-003	8.7000e-004	0.0104	3.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	8.9000e-004	0.0000	2.6287	2.6287	8.0000e-005	8.0000e-005	2.6543

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1434	0.0000	0.1434	0.0694	0.0000	0.0694	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0287	0.2615	0.2272	5.4000e-004		0.0112	0.0112		0.0104	0.0104	0.0000	47.3641	47.3641	0.0151	0.0000	47.7418
Total	0.0287	0.2615	0.2272	5.4000e-004	0.1434	0.0112	0.1547	0.0694	0.0104	0.0797	0.0000	47.3641	47.3641	0.0151	0.0000	47.7418

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

3.2 Grading Rough - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-003	8.7000e-004	0.0104	3.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	8.9000e-004	0.0000	2.6287	2.6287	8.0000e-005	8.0000e-005	2.6543
Total	1.3000e-003	8.7000e-004	0.0104	3.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	8.9000e-004	0.0000	2.6287	2.6287	8.0000e-005	8.0000e-005	2.6543

3.3 Piping Underground - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0343	0.2456	0.2544	8.0000e-004		0.0100	0.0100		9.2800e-003	9.2800e-003	0.0000	69.3502	69.3502	0.0220	0.0000	69.9003
Total	0.0343	0.2456	0.2544	8.0000e-004		0.0100	0.0100		9.2800e-003	9.2800e-003	0.0000	69.3502	69.3502	0.0220	0.0000	69.9003

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

3.3 Piping Underground - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6700e-003	1.1200e-003	0.0134	4.0000e-005	4.2500e-003	2.0000e-005	4.2700e-003	1.1300e-003	2.0000e-005	1.1500e-003	0.0000	3.3798	3.3798	1.1000e-004	1.0000e-004	3.4127
Total	1.6700e-003	1.1200e-003	0.0134	4.0000e-005	4.2500e-003	2.0000e-005	4.2700e-003	1.1300e-003	2.0000e-005	1.1500e-003	0.0000	3.3798	3.3798	1.1000e-004	1.0000e-004	3.4127

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0343	0.2456	0.2544	8.0000e-004		0.0100	0.0100		9.2800e-003	9.2800e-003	0.0000	69.3501	69.3501	0.0220	0.0000	69.9002
Total	0.0343	0.2456	0.2544	8.0000e-004		0.0100	0.0100		9.2800e-003	9.2800e-003	0.0000	69.3501	69.3501	0.0220	0.0000	69.9002

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

3.3 Piping Underground - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6700e-003	1.1200e-003	0.0134	4.0000e-005	4.2500e-003	2.0000e-005	4.2700e-003	1.1300e-003	2.0000e-005	1.1500e-003	0.0000	3.3798	3.3798	1.1000e-004	1.0000e-004	3.4127
Total	1.6700e-003	1.1200e-003	0.0134	4.0000e-005	4.2500e-003	2.0000e-005	4.2700e-003	1.1300e-003	2.0000e-005	1.1500e-003	0.0000	3.3798	3.3798	1.1000e-004	1.0000e-004	3.4127

3.4 Site Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0267	0.1946	0.2069	6.1000e-004		7.9900e-003	7.9900e-003		7.4000e-003	7.4000e-003	0.0000	53.3065	53.3065	0.0168	0.0000	53.7269
Total	0.0267	0.1946	0.2069	6.1000e-004		7.9900e-003	7.9900e-003		7.4000e-003	7.4000e-003	0.0000	53.3065	53.3065	0.0168	0.0000	53.7269

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

3.4 Site Electrical - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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-003	9.3000e-004	0.0112	3.0000e-005	3.5400e-003	2.0000e-005	3.5600e-003	9.4000e-004	2.0000e-005	9.6000e-004	0.0000	2.8165	2.8165	9.0000e-005	8.0000e-005	2.8439
Total	1.4000e-003	9.3000e-004	0.0112	3.0000e-005	3.5400e-003	2.0000e-005	3.5600e-003	9.4000e-004	2.0000e-005	9.6000e-004	0.0000	2.8165	2.8165	9.0000e-005	8.0000e-005	2.8439

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0267	0.1946	0.2069	6.1000e-004		7.9900e-003	7.9900e-003		7.4000e-003	7.4000e-003	0.0000	53.3065	53.3065	0.0168	0.0000	53.7269
Total	0.0267	0.1946	0.2069	6.1000e-004		7.9900e-003	7.9900e-003		7.4000e-003	7.4000e-003	0.0000	53.3065	53.3065	0.0168	0.0000	53.7269

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

3.4 Site Electrical - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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-003	9.3000e-004	0.0112	3.0000e-005	3.5400e-003	2.0000e-005	3.5600e-003	9.4000e-004	2.0000e-005	9.6000e-004	0.0000	2.8165	2.8165	9.0000e-005	8.0000e-005	2.8439
Total	1.4000e-003	9.3000e-004	0.0112	3.0000e-005	3.5400e-003	2.0000e-005	3.5600e-003	9.4000e-004	2.0000e-005	9.6000e-004	0.0000	2.8165	2.8165	9.0000e-005	8.0000e-005	2.8439

3.5 Site Lighting - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.4500e-003	0.0324	0.0345	1.0000e-004		1.3300e-003	1.3300e-003		1.2300e-003	1.2300e-003	0.0000	8.8844	8.8844	2.8000e-003	0.0000	8.9545
Total	4.4500e-003	0.0324	0.0345	1.0000e-004		1.3300e-003	1.3300e-003		1.2300e-003	1.2300e-003	0.0000	8.8844	8.8844	2.8000e-003	0.0000	8.9545

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

3.5 Site Lighting - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.6000e-004	1.8600e-003	1.0000e-005	5.9000e-004	0.0000	5.9000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4694	0.4694	1.0000e-005	1.0000e-005	0.4740
Total	2.3000e-004	1.6000e-004	1.8600e-003	1.0000e-005	5.9000e-004	0.0000	5.9000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4694	0.4694	1.0000e-005	1.0000e-005	0.4740

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.4500e-003	0.0324	0.0345	1.0000e-004		1.3300e-003	1.3300e-003		1.2300e-003	1.2300e-003	0.0000	8.8844	8.8844	2.8000e-003	0.0000	8.9545
Total	4.4500e-003	0.0324	0.0345	1.0000e-004		1.3300e-003	1.3300e-003		1.2300e-003	1.2300e-003	0.0000	8.8844	8.8844	2.8000e-003	0.0000	8.9545

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

3.5 Site Lighting - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.6000e-004	1.8600e-003	1.0000e-005	5.9000e-004	0.0000	5.9000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4694	0.4694	1.0000e-005	1.0000e-005	0.4740
Total	2.3000e-004	1.6000e-004	1.8600e-003	1.0000e-005	5.9000e-004	0.0000	5.9000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4694	0.4694	1.0000e-005	1.0000e-005	0.4740

3.6 Wet Well Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0191	0.1399	0.1550	4.5000e-004		5.8100e-003	5.8100e-003		5.3700e-003	5.3700e-003	0.0000	39.0294	39.0294	0.0124	0.0000	39.3396
Total	0.0191	0.1399	0.1550	4.5000e-004		5.8100e-003	5.8100e-003		5.3700e-003	5.3700e-003	0.0000	39.0294	39.0294	0.0124	0.0000	39.3396

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3.6 Wet Well Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0700e-003	7.2000e-004	8.5500e-003	2.0000e-005	2.7100e-003	1.0000e-005	2.7300e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	2.1593	2.1593	7.0000e-005	6.0000e-005	2.1803
Total	1.0700e-003	7.2000e-004	8.5500e-003	2.0000e-005	2.7100e-003	1.0000e-005	2.7300e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	2.1593	2.1593	7.0000e-005	6.0000e-005	2.1803

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0191	0.1399	0.1550	4.5000e-004		5.8100e-003	5.8100e-003		5.3700e-003	5.3700e-003	0.0000	39.0293	39.0293	0.0124	0.0000	39.3396
Total	0.0191	0.1399	0.1550	4.5000e-004		5.8100e-003	5.8100e-003		5.3700e-003	5.3700e-003	0.0000	39.0293	39.0293	0.0124	0.0000	39.3396

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

3.6 Wet Well Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0700e-003	7.2000e-004	8.5500e-003	2.0000e-005	2.7100e-003	1.0000e-005	2.7300e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	2.1593	2.1593	7.0000e-005	6.0000e-005	2.1803
Total	1.0700e-003	7.2000e-004	8.5500e-003	2.0000e-005	2.7100e-003	1.0000e-005	2.7300e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	2.1593	2.1593	7.0000e-005	6.0000e-005	2.1803

3.7 Wall and Generator - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.8000e-003	0.0572	0.0620	1.9000e-004		2.2800e-003	2.2800e-003		2.1000e-003	2.1000e-003	0.0000	16.1488	16.1488	5.1300e-003	0.0000	16.2770
Total	7.8000e-003	0.0572	0.0620	1.9000e-004		2.2800e-003	2.2800e-003		2.1000e-003	2.1000e-003	0.0000	16.1488	16.1488	5.1300e-003	0.0000	16.2770

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

3.7 Wall and Generator - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	3.1000e-004	7.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1053	0.1053	0.0000	2.0000e-005	0.1098
Worker	5.0000e-005	3.0000e-005	3.7000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0939	0.0939	0.0000	0.0000	0.0948
Total	6.0000e-005	3.4000e-004	4.4000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1992	0.1992	0.0000	2.0000e-005	0.2046

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.8000e-003	0.0572	0.0620	1.9000e-004		2.2800e-003	2.2800e-003		2.1000e-003	2.1000e-003	0.0000	16.1488	16.1488	5.1300e-003	0.0000	16.2770
Total	7.8000e-003	0.0572	0.0620	1.9000e-004		2.2800e-003	2.2800e-003		2.1000e-003	2.1000e-003	0.0000	16.1488	16.1488	5.1300e-003	0.0000	16.2770

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

3.7 Wall and Generator - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	3.1000e-004	7.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1053	0.1053	0.0000	2.0000e-005	0.1098
Worker	5.0000e-005	3.0000e-005	3.7000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0939	0.0939	0.0000	0.0000	0.0948
Total	6.0000e-005	3.4000e-004	4.4000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1992	0.1992	0.0000	2.0000e-005	0.2046

3.8 Pumps and Piping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0297	0.2134	0.2599	6.7000e-004		8.5800e-003	8.5800e-003		7.9800e-003	7.9800e-003	0.0000	58.0771	58.0771	0.0179	0.0000	58.5241
Total	0.0297	0.2134	0.2599	6.7000e-004		8.5800e-003	8.5800e-003		7.9800e-003	7.9800e-003	0.0000	58.0771	58.0771	0.0179	0.0000	58.5241

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3.8 Pumps and Piping - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	1.2300e-003	2.7000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.4211	0.4211	0.0000	6.0000e-005	0.4393
Worker	1.9000e-004	1.2000e-004	1.4900e-003	0.0000	4.7000e-004	0.0000	4.7000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3755	0.3755	1.0000e-005	1.0000e-005	0.3792
Total	2.2000e-004	1.3500e-003	1.7600e-003	0.0000	6.0000e-004	1.0000e-005	6.1000e-004	1.7000e-004	1.0000e-005	1.7000e-004	0.0000	0.7966	0.7966	1.0000e-005	7.0000e-005	0.8185

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0297	0.2134	0.2599	6.7000e-004		8.5800e-003	8.5800e-003		7.9800e-003	7.9800e-003	0.0000	58.0771	58.0771	0.0179	0.0000	58.5240
Total	0.0297	0.2134	0.2599	6.7000e-004		8.5800e-003	8.5800e-003		7.9800e-003	7.9800e-003	0.0000	58.0771	58.0771	0.0179	0.0000	58.5240

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3.8 Pumps and Piping - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	1.2300e-003	2.7000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.4211	0.4211	0.0000	6.0000e-005	0.4393
Worker	1.9000e-004	1.2000e-004	1.4900e-003	0.0000	4.7000e-004	0.0000	4.7000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3755	0.3755	1.0000e-005	1.0000e-005	0.3792
Total	2.2000e-004	1.3500e-003	1.7600e-003	0.0000	6.0000e-004	1.0000e-005	6.1000e-004	1.7000e-004	1.0000e-005	1.7000e-004	0.0000	0.7966	0.7966	1.0000e-005	7.0000e-005	0.8185

3.9 Final Grading and Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4700e-003	0.0545	0.0516	1.4000e-004		2.1400e-003	2.1400e-003		1.9800e-003	1.9800e-003	0.0000	12.6118	12.6118	4.0100e-003	0.0000	12.7120
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.4700e-003	0.0545	0.0516	1.4000e-004		2.1400e-003	2.1400e-003		1.9800e-003	1.9800e-003	0.0000	12.6118	12.6118	4.0100e-003	0.0000	12.7120

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3.9 Final Grading and Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.1000e-004	2.4800e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6259	0.6259	2.0000e-005	2.0000e-005	0.6320
Total	3.1000e-004	2.1000e-004	2.4800e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6259	0.6259	2.0000e-005	2.0000e-005	0.6320

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.4700e-003	0.0545	0.0516	1.4000e-004		2.1400e-003	2.1400e-003		1.9800e-003	1.9800e-003	0.0000	12.6118	12.6118	4.0100e-003	0.0000	12.7120
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.4700e-003	0.0545	0.0516	1.4000e-004		2.1400e-003	2.1400e-003		1.9800e-003	1.9800e-003	0.0000	12.6118	12.6118	4.0100e-003	0.0000	12.7120

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

3.9 Final Grading and Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.1000e-004	2.4800e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6259	0.6259	2.0000e-005	2.0000e-005	0.6320
Total	3.1000e-004	2.1000e-004	2.4800e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6259	0.6259	2.0000e-005	2.0000e-005	0.6320

3.10 PG&E Site Painting - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0952					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.7200e-003	0.0625	0.0654	2.1000e-004		2.4600e-003	2.4600e-003		2.2600e-003	2.2600e-003	0.0000	18.6659	18.6659	6.0100e-003	0.0000	18.8162
Total	0.1039	0.0625	0.0654	2.1000e-004		2.4600e-003	2.4600e-003		2.2600e-003	2.2600e-003	0.0000	18.6659	18.6659	6.0100e-003	0.0000	18.8162

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

3.10 PG&E Site Painting - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.2000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0313	0.0313	0.0000	0.0000	0.0316
Total	2.0000e-005	1.0000e-005	1.2000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0313	0.0313	0.0000	0.0000	0.0316

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0952					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.7200e-003	0.0625	0.0654	2.1000e-004		2.4600e-003	2.4600e-003		2.2600e-003	2.2600e-003	0.0000	18.6658	18.6658	6.0100e-003	0.0000	18.8162
Total	0.1039	0.0625	0.0654	2.1000e-004		2.4600e-003	2.4600e-003		2.2600e-003	2.2600e-003	0.0000	18.6658	18.6658	6.0100e-003	0.0000	18.8162

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

3.10 PG&E Site Painting - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000
Worker	2.0000e-005	1.0000e-005	1.2000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0313	0.0313	0.0000	0.0000	0.0000	0.0316
Total	2.0000e-005	1.0000e-005	1.2000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0313	0.0313	0.0000	0.0000	0.0000	0.0316

Lift Station 23 - Yuba County, Annual

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

5.3 Energy by Land Use - Electricity

Unmitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000

Mitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0293	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.0000e-005	9.0000e-005	0.0000	0.0000	1.0000e-004
Unmitigated	0.0293	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.0000e-005	9.0000e-005	0.0000	0.0000	1.0000e-004

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	9.5200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.0000e-005	9.0000e-005	0.0000	0.0000	1.0000e-004
Total	0.0293	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.0000e-005	9.0000e-005	0.0000	0.0000	1.0000e-004

Lift Station 23 - Yuba County, Annual

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	9.5200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.0000e-005	9.0000e-005	0.0000	0.0000	1.0000e-004
Total	0.0293	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.0000e-005	9.0000e-005	0.0000	0.0000	1.0000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	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			
Unrefrigerated 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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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated 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

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

8.2 Waste by Land Use

Unmitigated

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

Mitigated

Waste Disposed	Land Use	tons	Total CO2	CH4	N2O	CO2e
	Land Use		MT/yr			
	Unrefrigerated 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
----------------	--------	-----------	-----------	-------------	-------------	-----------

Lift Station 23 - Yuba County, Annual

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	45	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

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 (25 - 50 HP)	2.2000e-004	1.1600e-003	8.9000e-004	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.1028	0.1028	1.0000e-005	0.0000	0.1032
Total	2.2000e-004	1.1600e-003	8.9000e-004	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.1028	0.1028	1.0000e-005	0.0000	0.1032

11.0 Vegetation

Lift Station 23 - Yuba County, Summer

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

Lift Station 23
Yuba County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	5.08	1000sqft	0.12	5,075.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Combined phases provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

Lift Station 23 - Yuba County, Summer

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

Trips and VMT -

Grading -

Vehicle Trips - Maintenance trips in Pump Station 1

Energy Use - n/a

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	100.00	10.00
tblConstructionPhase	NumDays	100.00	40.00
tblConstructionPhase	NumDays	2.00	30.00
tblConstructionPhase	NumDays	5.00	10.00
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6550e-003	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.5660e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.4350e-003	0.00

Lift Station 23 - Yuba County, Summer

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00

Lift Station 23 - Yuba County, Summer

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		PG&E Site Painting

Lift Station 23 - Yuba County, Summer

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

tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Grading Rough

Lift Station 23 - Yuba County, Summer

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

tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	7.72	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	200.00	45.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	6.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	1,898,562.50	0.00

2.0 Emissions Summary

Lift Station 23 - Yuba County, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1608	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1100e-003	1.1100e-003	0.0000		1.1800e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.0369	0.1925	0.1486	1.8000e-004		0.0162	0.0162		0.0162	0.0162		18.8891	18.8891	2.6500e-003		18.9553
Total	0.1977	0.1925	0.1492	1.8000e-004	0.0000	0.0162	0.0162	0.0000	0.0162	0.0162		18.8902	18.8902	2.6500e-003	0.0000	18.9565

Lift Station 23 - Yuba County, Summer

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1608	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1100e-003	1.1100e-003	0.0000		1.1800e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.0369	0.1925	0.1486	1.8000e-004		0.0162	0.0162		0.0162	0.0162		18.8891	18.8891	2.6500e-003		18.9553
Total	0.1977	0.1925	0.1492	1.8000e-004	0.0000	0.0162	0.0162	0.0000	0.0162	0.0162		18.8902	18.8902	2.6500e-003	0.0000	18.9565

	ROG	NOx	CO	SO2	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	Grading Rough	Grading	1/1/2024	2/9/2024	5	30	
2	Piping Underground	Trenching	2/10/2024	5/3/2024	5	60	
3	Site Electrical	Trenching	5/4/2024	7/26/2024	5	60	
4	Site Lighting	Trenching	7/27/2024	8/9/2024	5	10	

Lift Station 23 - Yuba County, Summer

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

5	Wet Well Construction	Trenching	8/10/2024	9/20/2024	5	30
6	Wall and Generator	Building Construction	9/21/2024	10/4/2024	5	10
7	Pumps and Piping	Building Construction	10/5/2024	11/29/2024	5	40
8	Final Grading and Paving	Paving	11/30/2024	12/13/2024	5	10
9	PG&E Site Painting	Architectural Coating	12/14/2024	12/27/2024	5	10

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 40.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 12,323; Non-Residential Outdoor: 4,108; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading Rough	Dumpers/Tenders	1	6.00	16	0.38
Grading Rough	Excavators	1	6.00	158	0.38
Grading Rough	Forklifts	1	6.00	89	0.20
Grading Rough	Graders	1	6.00	187	0.41
Grading Rough	Off-Highway Trucks	2	6.00	250	0.38
Grading Rough	Plate Compactors	1	6.00	8	0.43
Grading Rough	Rollers	1	6.00	80	0.38
Grading Rough	Rubber Tired Dozers	1	6.00	247	0.40
Grading Rough	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Piping Underground	Dumpers/Tenders	1	6.00	16	0.38
Piping Underground	Forklifts	1	6.00	89	0.20
Piping Underground	Off-Highway Trucks	2	6.00	250	0.38
Piping Underground	Off-Highway Trucks	1	6.00	402	0.38
Piping Underground	Plate Compactors	1	6.00	8	0.43
Piping Underground	Tractors/Loaders/Backhoes	1	6.00	97	0.37

Lift Station 23 - Yuba County, Summer

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

Site Electrical	Dumpers/Tenders	1	6.00	16	0.38
Site Electrical	Forklifts	1	6.00	89	0.20
Site Electrical	Off-Highway Trucks	1	6.00	250	0.38
Site Electrical	Off-Highway Trucks	1	6.00	402	0.38
Site Electrical	Plate Compactors	1	6.00	8	0.43
Site Electrical	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Lighting	Dumpers/Tenders	1	6.00	16	0.38
Site Lighting	Forklifts	1	6.00	89	0.20
Site Lighting	Off-Highway Trucks	1	6.00	250	0.38
Site Lighting	Off-Highway Trucks	1	6.00	402	0.38
Site Lighting	Plate Compactors	1	6.00	8	0.43
Site Lighting	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wet Well Construction	Cranes	1	1.00	231	0.29
Wet Well Construction	Dumpers/Tenders	1	6.00	16	0.38
Wet Well Construction	Excavators	1	4.00	158	0.38
Wet Well Construction	Forklifts	1	6.00	89	0.20
Wet Well Construction	Off-Highway Trucks	2	6.00	250	0.38
Wet Well Construction	Off-Highway Trucks	1	6.00	402	0.38
Wet Well Construction	Plate Compactors	1	6.00	8	0.43
Wet Well Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wall and Generator	Aerial Lifts	1	8.00	63	0.31
Wall and Generator	Dumpers/Tenders	1	8.00	16	0.38
Wall and Generator	Forklifts	1	8.00	89	0.20
Wall and Generator	Off-Highway Trucks	2	8.00	250	0.38
Wall and Generator	Off-Highway Trucks	1	8.00	402	0.38
Wall and Generator	Plate Compactors	1	8.00	8	0.43
Wall and Generator	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pumps and Piping	Aerial Lifts	1	6.00	63	0.31
Pumps and Piping	Dumpers/Tenders	1	6.00	16	0.38

Lift Station 23 - Yuba County, Summer

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

Pumps and Piping	Excavators	1	6.00	158	0.38
Pumps and Piping	Forklifts	1	6.00	89	0.20
Pumps and Piping	Off-Highway Trucks	2	6.00	250	0.38
Pumps and Piping	Off-Highway Trucks	1	6.00	402	0.38
Pumps and Piping	Plate Compactors	1	6.00	8	0.43
Pumps and Piping	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Pumps and Piping	Welders	1	6.00	46	0.45
Final Grading and Paving	Dumpers/Tenders	1	6.00	16	0.38
Final Grading and Paving	Forklifts	1	6.00	89	0.20
Final Grading and Paving	Graders	1	6.00	187	0.41
Final Grading and Paving	Off-Highway Trucks	1	6.00	250	0.38
Final Grading and Paving	Off-Highway Trucks	1	6.00	402	0.38
Final Grading and Paving	Pavers	1	6.00	130	0.42
Final Grading and Paving	Plate Compactors	1	6.00	8	0.43
Final Grading and Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
PG&E Site Painting	Aerial Lifts	2	6.00	63	0.31
PG&E Site Painting	Dumpers/Tenders	1	3.00	16	0.38
PG&E Site Painting	Forklifts	1	6.00	89	0.20
PG&E Site Painting	Off-Highway Trucks	4	8.00	250	0.38
PG&E Site Painting	Off-Highway Trucks	1	3.00	402	0.38
PG&E Site Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading Rough	11	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Piping Underground	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Electrical	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Lift Station 23 - Yuba County, Summer

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

Site Lighting	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wet Well Construction	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wall and Generator	8	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Pumps and Piping	10	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading and Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PG&E Site Painting	10	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading Rough - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.5615	0.0000	9.5615	4.6234	0.0000	4.6234			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905		3,480.669 3	3,480.669 3	1.1102		3,508.423 4
Total	1.9112	17.4364	15.1455	0.0361	9.5615	0.7488	10.3103	4.6234	0.6905	5.3139		3,480.669 3	3,480.669 3	1.1102		3,508.423 4

Lift Station 23 - Yuba County, Summer

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

3.2 Grading Rough - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915
Total	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.5615	0.0000	9.5615	4.6234	0.0000	4.6234			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234
Total	1.9112	17.4364	15.1455	0.0361	9.5615	0.7488	10.3103	4.6234	0.6905	5.3139	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234

Lift Station 23 - Yuba County, Summer

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

3.2 Grading Rough - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915
Total	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915

3.3 Piping Underground - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969

Lift Station 23 - Yuba County, Summer

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

3.3 Piping Underground - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089
Total	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969

Lift Station 23 - Yuba County, Summer

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

3.3 Piping Underground - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089
Total	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089

3.4 Site Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271

Lift Station 23 - Yuba County, Summer

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

3.4 Site Electrical - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240
Total	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271

Lift Station 23 - Yuba County, Summer

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

3.4 Site Electrical - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240
Total	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240

3.5 Site Lighting - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271

Lift Station 23 - Yuba County, Summer

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

3.5 Site Lighting - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240
Total	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271

Lift Station 23 - Yuba County, Summer

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

3.5 Site Lighting - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240
Total	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240

3.6 Wet Well Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579		2,868.1660	2,868.1660	0.9121		2,890.9677
Total	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579		2,868.1660	2,868.1660	0.9121		2,890.9677

Lift Station 23 - Yuba County, Summer

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

3.6 Wet Well Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0843	0.0428	0.6626	1.6900e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		174.0107	174.0107	4.7600e-003	4.4300e-003	175.4502
Total	0.0843	0.0428	0.6626	1.6900e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		174.0107	174.0107	4.7600e-003	4.4300e-003	175.4502

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579	0.0000	2,868.1660	2,868.1660	0.9121		2,890.9677
Total	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579	0.0000	2,868.1660	2,868.1660	0.9121		2,890.9677

Lift Station 23 - Yuba County, Summer

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

3.6 Wet Well Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0843	0.0428	0.6626	1.6900e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		174.0107	174.0107	4.7600e-003	4.4300e-003	175.4502
Total	0.0843	0.0428	0.6626	1.6900e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		174.0107	174.0107	4.7600e-003	4.4300e-003	175.4502

3.7 Wall and Generator - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209		3,560.1964	3,560.1964	1.1307		3,588.4639
Total	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209		3,560.1964	3,560.1964	1.1307		3,588.4639

Lift Station 23 - Yuba County, Summer

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

3.7 Wall and Generator - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4500e-003	0.0582	0.0135	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2005	23.2005	8.0000e-005	3.3600e-003	24.2047
Worker	0.0110	5.5800e-003	0.0864	2.2000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		22.6970	22.6970	6.2000e-004	5.8000e-004	22.8848
Total	0.0124	0.0638	0.0999	4.4000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		45.8975	45.8975	7.0000e-004	3.9400e-003	47.0895

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209	0.0000	3,560.1964	3,560.1964	1.1307		3,588.4639
Total	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209	0.0000	3,560.1964	3,560.1964	1.1307		3,588.4639

Lift Station 23 - Yuba County, Summer

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

3.7 Wall and Generator - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4500e-003	0.0582	0.0135	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2005	23.2005	8.0000e-005	3.3600e-003	24.2047
Worker	0.0110	5.5800e-003	0.0864	2.2000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		22.6970	22.6970	6.2000e-004	5.8000e-004	22.8848
Total	0.0124	0.0638	0.0999	4.4000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		45.8975	45.8975	7.0000e-004	3.9400e-003	47.0895

3.8 Pumps and Piping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990		3,200.9546	3,200.9546	0.9853		3,225.5860
Total	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990		3,200.9546	3,200.9546	0.9853		3,225.5860

Lift Station 23 - Yuba County, Summer

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

3.8 Pumps and Piping - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4500e-003	0.0582	0.0135	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2005	23.2005	8.0000e-005	3.3600e-003	24.2047
Worker	0.0110	5.5800e-003	0.0864	2.2000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		22.6970	22.6970	6.2000e-004	5.8000e-004	22.8848
Total	0.0124	0.0638	0.0999	4.4000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		45.8975	45.8975	7.0000e-004	3.9400e-003	47.0895

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990	0.0000	3,200.9546	3,200.9546	0.9853		3,225.5860
Total	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990	0.0000	3,200.9546	3,200.9546	0.9853		3,225.5860

Lift Station 23 - Yuba County, Summer

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

3.8 Pumps and Piping - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4500e-003	0.0582	0.0135	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2005	23.2005	8.0000e-005	3.3600e-003	24.2047
Worker	0.0110	5.5800e-003	0.0864	2.2000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		22.6970	22.6970	6.2000e-004	5.8000e-004	22.8848
Total	0.0124	0.0638	0.0999	4.4000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		45.8975	45.8975	7.0000e-004	3.9400e-003	47.0895

3.9 Final Grading and Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2941	10.9080	10.3093	0.0289		0.4285	0.4285		0.3958	0.3958		2,780.4313	2,780.4313	0.8837		2,802.5237
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2941	10.9080	10.3093	0.0289		0.4285	0.4285		0.3958	0.3958		2,780.4313	2,780.4313	0.8837		2,802.5237

Lift Station 23 - Yuba County, Summer

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

3.9 Final Grading and Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0733	0.0372	0.5761	1.4700e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		151.3136	151.3136	4.1400e-003	3.8500e-003	152.5654
Total	0.0733	0.0372	0.5761	1.4700e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		151.3136	151.3136	4.1400e-003	3.8500e-003	152.5654

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2941	10.9080	10.3093	0.0289		0.4285	0.4285		0.3958	0.3958	0.0000	2,780.4313	2,780.4313	0.8837		2,802.5237
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2941	10.9080	10.3093	0.0289		0.4285	0.4285		0.3958	0.3958	0.0000	2,780.4313	2,780.4313	0.8837		2,802.5237

Lift Station 23 - Yuba County, Summer

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

3.9 Final Grading and Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0733	0.0372	0.5761	1.4700e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		151.3136	151.3136	4.1400e-003	3.8500e-003	152.5654
Total	0.0733	0.0372	0.5761	1.4700e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		151.3136	151.3136	4.1400e-003	3.8500e-003	152.5654

3.10 PG&E Site Painting - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	19.0394					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.7444	12.5015	13.0839	0.0426		0.4917	0.4917		0.4528	0.4528		4,115.1172	4,115.1172	1.3260		4,148.2665
Total	20.7839	12.5015	13.0839	0.0426		0.4917	0.4917		0.4528	0.4528		4,115.1172	4,115.1172	1.3260		4,148.2665

Lift Station 23 - Yuba County, Summer

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

3.10 PG&E Site Painting - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6600e-003	1.8600e-003	0.0288	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	4.0000e-005	2.2200e-003		7.5657	7.5657	2.1000e-004	1.9000e-004	7.6283
Total	3.6600e-003	1.8600e-003	0.0288	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	4.0000e-005	2.2200e-003		7.5657	7.5657	2.1000e-004	1.9000e-004	7.6283

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	19.0394					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.7444	12.5015	13.0839	0.0426		0.4917	0.4917		0.4528	0.4528	0.0000	4,115.1172	4,115.1172	1.3260		4,148.2665
Total	20.7839	12.5015	13.0839	0.0426		0.4917	0.4917		0.4528	0.4528	0.0000	4,115.1172	4,115.1172	1.3260		4,148.2665

Lift Station 23 - Yuba County, Summer

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

3.10 PG&E Site Painting - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6600e-003	1.8600e-003	0.0288	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	4.0000e-005	2.2200e-003		7.5657	7.5657	2.1000e-004	1.9000e-004	7.6283
Total	3.6600e-003	1.8600e-003	0.0288	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	4.0000e-005	2.2200e-003		7.5657	7.5657	2.1000e-004	1.9000e-004	7.6283

Lift Station 23 - Yuba County, Summer

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	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

Lift Station 23 - Yuba County, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated 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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1608	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1100e-003	1.1100e-003	0.0000		1.1800e-003
Unmitigated	0.1608	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1100e-003	1.1100e-003	0.0000		1.1800e-003

Lift Station 23 - Yuba County, Summer

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0000e-005	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1100e-003	1.1100e-003	0.0000		1.1800e-003
Total	0.1608	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1100e-003	1.1100e-003	0.0000		1.1800e-003

Lift Station 23 - Yuba County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0000e-005	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1100e-003	1.1100e-003	0.0000		1.1800e-003
Total	0.1608	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1100e-003	1.1100e-003	0.0000		1.1800e-003

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
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Lift Station 23 - Yuba County, Summer

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

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	45	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

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 (25 - 50 HP)	0.0369	0.1925	0.1486	1.8000e-004		0.0162	0.0162		0.0162	0.0162		18.8891	18.8891	2.6500e-003		18.9553
Total	0.0369	0.1925	0.1486	1.8000e-004		0.0162	0.0162		0.0162	0.0162		18.8891	18.8891	2.6500e-003		18.9553

11.0 Vegetation

Lift Station 23 - Yuba County, Winter

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

Lift Station 23
Yuba County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	5.08	1000sqft	0.12	5,075.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Combined phases provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

Lift Station 23 - Yuba County, Winter

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

Trips and VMT -

Grading -

Vehicle Trips - Maintenance trips in Pump Station 1

Energy Use - n/a

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	100.00	10.00
tblConstructionPhase	NumDays	100.00	40.00
tblConstructionPhase	NumDays	2.00	30.00
tblConstructionPhase	NumDays	5.00	10.00
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6550e-003	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.5660e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.4350e-003	0.00

Lift Station 23 - Yuba County, Winter

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00

Lift Station 23 - Yuba County, Winter

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		PG&E Site Painting

Lift Station 23 - Yuba County, Winter

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

tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Grading Rough

Lift Station 23 - Yuba County, Winter

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

tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	7.72	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	200.00	45.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	6.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	1,898,562.50	0.00

2.0 Emissions Summary

Lift Station 23 - Yuba County, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1608	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1100e-003	1.1100e-003	0.0000		1.1800e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.0369	0.1925	0.1486	1.8000e-004		0.0162	0.0162		0.0162	0.0162		18.8891	18.8891	2.6500e-003		18.9553
Total	0.1977	0.1925	0.1492	1.8000e-004	0.0000	0.0162	0.0162	0.0000	0.0162	0.0162		18.8902	18.8902	2.6500e-003	0.0000	18.9565

Lift Station 23 - Yuba County, Winter

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1608	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1100e-003	1.1100e-003	0.0000		1.1800e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.0369	0.1925	0.1486	1.8000e-004		0.0162	0.0162		0.0162	0.0162		18.8891	18.8891	2.6500e-003		18.9553
Total	0.1977	0.1925	0.1492	1.8000e-004	0.0000	0.0162	0.0162	0.0000	0.0162	0.0162		18.8902	18.8902	2.6500e-003	0.0000	18.9565

	ROG	NOx	CO	SO2	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	Grading Rough	Grading	1/1/2024	2/9/2024	5	30	
2	Piping Underground	Trenching	2/10/2024	5/3/2024	5	60	
3	Site Electrical	Trenching	5/4/2024	7/26/2024	5	60	
4	Site Lighting	Trenching	7/27/2024	8/9/2024	5	10	

Lift Station 23 - Yuba County, Winter

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

5	Wet Well Construction	Trenching	8/10/2024	9/20/2024	5	30
6	Wall and Generator	Building Construction	9/21/2024	10/4/2024	5	10
7	Pumps and Piping	Building Construction	10/5/2024	11/29/2024	5	40
8	Final Grading and Paving	Paving	11/30/2024	12/13/2024	5	10
9	PG&E Site Painting	Architectural Coating	12/14/2024	12/27/2024	5	10

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 40.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 12,323; Non-Residential Outdoor: 4,108; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading Rough	Dumpers/Tenders	1	6.00	16	0.38
Grading Rough	Excavators	1	6.00	158	0.38
Grading Rough	Forklifts	1	6.00	89	0.20
Grading Rough	Graders	1	6.00	187	0.41
Grading Rough	Off-Highway Trucks	2	6.00	250	0.38
Grading Rough	Plate Compactors	1	6.00	8	0.43
Grading Rough	Rollers	1	6.00	80	0.38
Grading Rough	Rubber Tired Dozers	1	6.00	247	0.40
Grading Rough	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Piping Underground	Dumpers/Tenders	1	6.00	16	0.38
Piping Underground	Forklifts	1	6.00	89	0.20
Piping Underground	Off-Highway Trucks	2	6.00	250	0.38
Piping Underground	Off-Highway Trucks	1	6.00	402	0.38
Piping Underground	Plate Compactors	1	6.00	8	0.43
Piping Underground	Tractors/Loaders/Backhoes	1	6.00	97	0.37

Lift Station 23 - Yuba County, Winter

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

Site Electrical	Dumpers/Tenders	1	6.00	16	0.38
Site Electrical	Forklifts	1	6.00	89	0.20
Site Electrical	Off-Highway Trucks	1	6.00	250	0.38
Site Electrical	Off-Highway Trucks	1	6.00	402	0.38
Site Electrical	Plate Compactors	1	6.00	8	0.43
Site Electrical	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Lighting	Dumpers/Tenders	1	6.00	16	0.38
Site Lighting	Forklifts	1	6.00	89	0.20
Site Lighting	Off-Highway Trucks	1	6.00	250	0.38
Site Lighting	Off-Highway Trucks	1	6.00	402	0.38
Site Lighting	Plate Compactors	1	6.00	8	0.43
Site Lighting	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wet Well Construction	Cranes	1	1.00	231	0.29
Wet Well Construction	Dumpers/Tenders	1	6.00	16	0.38
Wet Well Construction	Excavators	1	4.00	158	0.38
Wet Well Construction	Forklifts	1	6.00	89	0.20
Wet Well Construction	Off-Highway Trucks	2	6.00	250	0.38
Wet Well Construction	Off-Highway Trucks	1	6.00	402	0.38
Wet Well Construction	Plate Compactors	1	6.00	8	0.43
Wet Well Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wall and Generator	Aerial Lifts	1	8.00	63	0.31
Wall and Generator	Dumpers/Tenders	1	8.00	16	0.38
Wall and Generator	Forklifts	1	8.00	89	0.20
Wall and Generator	Off-Highway Trucks	2	8.00	250	0.38
Wall and Generator	Off-Highway Trucks	1	8.00	402	0.38
Wall and Generator	Plate Compactors	1	8.00	8	0.43
Wall and Generator	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pumps and Piping	Aerial Lifts	1	6.00	63	0.31
Pumps and Piping	Dumpers/Tenders	1	6.00	16	0.38

Lift Station 23 - Yuba County, Winter

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

Pumps and Piping	Excavators	1	6.00	158	0.38
Pumps and Piping	Forklifts	1	6.00	89	0.20
Pumps and Piping	Off-Highway Trucks	2	6.00	250	0.38
Pumps and Piping	Off-Highway Trucks	1	6.00	402	0.38
Pumps and Piping	Plate Compactors	1	6.00	8	0.43
Pumps and Piping	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Pumps and Piping	Welders	1	6.00	46	0.45
Final Grading and Paving	Dumpers/Tenders	1	6.00	16	0.38
Final Grading and Paving	Forklifts	1	6.00	89	0.20
Final Grading and Paving	Graders	1	6.00	187	0.41
Final Grading and Paving	Off-Highway Trucks	1	6.00	250	0.38
Final Grading and Paving	Off-Highway Trucks	1	6.00	402	0.38
Final Grading and Paving	Pavers	1	6.00	130	0.42
Final Grading and Paving	Plate Compactors	1	6.00	8	0.43
Final Grading and Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
PG&E Site Painting	Aerial Lifts	2	6.00	63	0.31
PG&E Site Painting	Dumpers/Tenders	1	3.00	16	0.38
PG&E Site Painting	Forklifts	1	6.00	89	0.20
PG&E Site Painting	Off-Highway Trucks	4	8.00	250	0.38
PG&E Site Painting	Off-Highway Trucks	1	3.00	402	0.38
PG&E Site Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading Rough	11	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Piping Underground	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Electrical	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Lift Station 23 - Yuba County, Winter

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

Site Lighting	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wet Well Construction	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wall and Generator	8	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Pumps and Piping	10	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading and Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PG&E Site Painting	10	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading Rough - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.5615	0.0000	9.5615	4.6234	0.0000	4.6234			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905		3,480.669 3	3,480.669 3	1.1102		3,508.423 4
Total	1.9112	17.4364	15.1455	0.0361	9.5615	0.7488	10.3103	4.6234	0.6905	5.3139		3,480.669 3	3,480.669 3	1.1102		3,508.423 4

Lift Station 23 - Yuba County, Winter

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

3.2 Grading Rough - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406
Total	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.5615	0.0000	9.5615	4.6234	0.0000	4.6234			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234
Total	1.9112	17.4364	15.1455	0.0361	9.5615	0.7488	10.3103	4.6234	0.6905	5.3139	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234

Lift Station 23 - Yuba County, Winter

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

3.2 Grading Rough - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406
Total	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406

3.3 Piping Underground - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969

Lift Station 23 - Yuba County, Winter

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

3.3 Piping Underground - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618
Total	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969

Lift Station 23 - Yuba County, Winter

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

3.3 Piping Underground - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618
Total	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618

3.4 Site Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271

Lift Station 23 - Yuba County, Winter

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

3.4 Site Electrical - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682
Total	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271

Lift Station 23 - Yuba County, Winter

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

3.4 Site Electrical - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682
Total	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682

3.5 Site Lighting - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271

Lift Station 23 - Yuba County, Winter

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

3.5 Site Lighting - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682
Total	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271

Lift Station 23 - Yuba County, Winter

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

3.5 Site Lighting - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682
Total	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682

3.6 Wet Well Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579		2,868.1660	2,868.1660	0.9121		2,890.9677
Total	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579		2,868.1660	2,868.1660	0.9121		2,890.9677

Lift Station 23 - Yuba County, Winter

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

3.6 Wet Well Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0737	0.0534	0.5773	1.5000e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		154.6819	154.6819	5.5300e-003	5.1400e-003	156.3512
Total	0.0737	0.0534	0.5773	1.5000e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		154.6819	154.6819	5.5300e-003	5.1400e-003	156.3512

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579	0.0000	2,868.1660	2,868.1660	0.9121		2,890.9677
Total	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579	0.0000	2,868.1660	2,868.1660	0.9121		2,890.9677

Lift Station 23 - Yuba County, Winter

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

3.6 Wet Well Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0737	0.0534	0.5773	1.5000e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		154.6819	154.6819	5.5300e-003	5.1400e-003	156.3512
Total	0.0737	0.0534	0.5773	1.5000e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		154.6819	154.6819	5.5300e-003	5.1400e-003	156.3512

3.7 Wall and Generator - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209		3,560.1964	3,560.1964	1.1307		3,588.4639
Total	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209		3,560.1964	3,560.1964	1.1307		3,588.4639

Lift Station 23 - Yuba County, Winter

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

3.7 Wall and Generator - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4100e-003	0.0627	0.0140	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2183	23.2183	8.0000e-005	3.3700e-003	24.2248
Worker	9.6100e-003	6.9600e-003	0.0753	2.0000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		20.1759	20.1759	7.2000e-004	6.7000e-004	20.3936
Total	0.0110	0.0697	0.0893	4.2000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		43.3942	43.3942	8.0000e-004	4.0400e-003	44.6184

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209	0.0000	3,560.1964	3,560.1964	1.1307		3,588.4639
Total	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209	0.0000	3,560.1964	3,560.1964	1.1307		3,588.4639

Lift Station 23 - Yuba County, Winter

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

3.7 Wall and Generator - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4100e-003	0.0627	0.0140	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2183	23.2183	8.0000e-005	3.3700e-003	24.2248
Worker	9.6100e-003	6.9600e-003	0.0753	2.0000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		20.1759	20.1759	7.2000e-004	6.7000e-004	20.3936
Total	0.0110	0.0697	0.0893	4.2000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		43.3942	43.3942	8.0000e-004	4.0400e-003	44.6184

3.8 Pumps and Piping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990		3,200.9546	3,200.9546	0.9853		3,225.5860
Total	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990		3,200.9546	3,200.9546	0.9853		3,225.5860

Lift Station 23 - Yuba County, Winter

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

3.8 Pumps and Piping - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4100e-003	0.0627	0.0140	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2183	23.2183	8.0000e-005	3.3700e-003	24.2248
Worker	9.6100e-003	6.9600e-003	0.0753	2.0000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		20.1759	20.1759	7.2000e-004	6.7000e-004	20.3936
Total	0.0110	0.0697	0.0893	4.2000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		43.3942	43.3942	8.0000e-004	4.0400e-003	44.6184

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990	0.0000	3,200.9546	3,200.9546	0.9853		3,225.5860
Total	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990	0.0000	3,200.9546	3,200.9546	0.9853		3,225.5860

Lift Station 23 - Yuba County, Winter

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

3.8 Pumps and Piping - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4100e-003	0.0627	0.0140	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2183	23.2183	8.0000e-005	3.3700e-003	24.2248
Worker	9.6100e-003	6.9600e-003	0.0753	2.0000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		20.1759	20.1759	7.2000e-004	6.7000e-004	20.3936
Total	0.0110	0.0697	0.0893	4.2000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		43.3942	43.3942	8.0000e-004	4.0400e-003	44.6184

3.9 Final Grading and Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2941	10.9080	10.3093	0.0289		0.4285	0.4285		0.3958	0.3958		2,780.4313	2,780.4313	0.8837		2,802.5237
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2941	10.9080	10.3093	0.0289		0.4285	0.4285		0.3958	0.3958		2,780.4313	2,780.4313	0.8837		2,802.5237

Lift Station 23 - Yuba County, Winter

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

3.9 Final Grading and Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0641	0.0464	0.5020	1.3000e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		134.5060	134.5060	4.8000e-003	4.4700e-003	135.9576
Total	0.0641	0.0464	0.5020	1.3000e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		134.5060	134.5060	4.8000e-003	4.4700e-003	135.9576

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2941	10.9080	10.3093	0.0289		0.4285	0.4285		0.3958	0.3958	0.0000	2,780.4313	2,780.4313	0.8837		2,802.5237
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2941	10.9080	10.3093	0.0289		0.4285	0.4285		0.3958	0.3958	0.0000	2,780.4313	2,780.4313	0.8837		2,802.5237

Lift Station 23 - Yuba County, Winter

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

3.9 Final Grading and Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0641	0.0464	0.5020	1.3000e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		134.5060	134.5060	4.8000e-003	4.4700e-003	135.9576
Total	0.0641	0.0464	0.5020	1.3000e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		134.5060	134.5060	4.8000e-003	4.4700e-003	135.9576

3.10 PG&E Site Painting - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	19.0394					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.7444	12.5015	13.0839	0.0426		0.4917	0.4917		0.4528	0.4528		4,115.1172	4,115.1172	1.3260		4,148.2665
Total	20.7839	12.5015	13.0839	0.0426		0.4917	0.4917		0.4528	0.4528		4,115.1172	4,115.1172	1.3260		4,148.2665

Lift Station 23 - Yuba County, Winter

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

3.10 PG&E Site Painting - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-003	2.3200e-003	0.0251	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	4.0000e-005	2.2200e-003		6.7253	6.7253	2.4000e-004	2.2000e-004	6.7979
Total	3.2000e-003	2.3200e-003	0.0251	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	4.0000e-005	2.2200e-003		6.7253	6.7253	2.4000e-004	2.2000e-004	6.7979

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	19.0394					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.7444	12.5015	13.0839	0.0426		0.4917	0.4917		0.4528	0.4528	0.0000	4,115.1172	4,115.1172	1.3260		4,148.2665
Total	20.7839	12.5015	13.0839	0.0426		0.4917	0.4917		0.4528	0.4528	0.0000	4,115.1172	4,115.1172	1.3260		4,148.2665

Lift Station 23 - Yuba County, Winter

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

3.10 PG&E Site Painting - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-003	2.3200e-003	0.0251	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	4.0000e-005	2.2200e-003		6.7253	6.7253	2.4000e-004	2.2000e-004	6.7979
Total	3.2000e-003	2.3200e-003	0.0251	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	4.0000e-005	2.2200e-003		6.7253	6.7253	2.4000e-004	2.2000e-004	6.7979

Lift Station 23 - Yuba County, Winter

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	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

Lift Station 23 - Yuba County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated 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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1608	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1100e-003	1.1100e-003	0.0000		1.1800e-003
Unmitigated	0.1608	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1100e-003	1.1100e-003	0.0000		1.1800e-003

Lift Station 23 - Yuba County, Winter

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0000e-005	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1100e-003	1.1100e-003	0.0000		1.1800e-003
Total	0.1608	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1100e-003	1.1100e-003	0.0000		1.1800e-003

Lift Station 23 - Yuba County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.0000e-005	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1100e-003	1.1100e-003	0.0000		1.1800e-003
Total	0.1608	0.0000	5.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.1100e-003	1.1100e-003	0.0000		1.1800e-003

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
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Lift Station 23 - Yuba County, Winter

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

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	45	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

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 (25 - 50 HP)	0.0369	0.1925	0.1486	1.8000e-004		0.0162	0.0162		0.0162	0.0162		18.8891	18.8891	2.6500e-003		18.9553
Total	0.0369	0.1925	0.1486	1.8000e-004		0.0162	0.0162		0.0162	0.0162		18.8891	18.8891	2.6500e-003		18.9553

11.0 Vegetation

Lift Station 24 - Yuba County, Annual

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

**Lift Station 24
Yuba County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	6.16	1000sqft	0.14	6,160.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Combined phases provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

Lift Station 24 - Yuba County, Annual

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

Trips and VMT -

Grading -

Vehicle Trips - Maintenance trips in Pump Station 1

Energy Use - n/a

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	15.00
tblConstructionPhase	NumDays	100.00	15.00
tblConstructionPhase	NumDays	100.00	60.00
tblConstructionPhase	NumDays	2.00	45.00
tblConstructionPhase	NumDays	5.00	15.00
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6550e-003	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.5660e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.4350e-003	0.00

Lift Station 24 - Yuba County, Annual

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00

Lift Station 24 - Yuba County, Annual

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		PG&E Site Painting

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

tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Grading Rough

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

tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	7.72	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	200.00	165.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	6.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	1,898,562.50	0.00

2.0 Emissions Summary

Lift Station 24 - Yuba County, Annual

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.3319	1.8824	2.0308	5.7200e-003	0.1674	0.0772	0.2445	0.0757	0.0714	0.1471	0.0000	499.2083	499.2083	0.1521	6.8000e-004	503.2124
2025	0.0215	0.0161	0.0191	6.0000e-005	1.0000e-005	6.0000e-004	6.1000e-004	0.0000	5.5000e-004	5.6000e-004	0.0000	5.6088	5.6088	1.8000e-003	0.0000	5.6540
Maximum	0.3319	1.8824	2.0308	5.7200e-003	0.1674	0.0772	0.2445	0.0757	0.0714	0.1471	0.0000	499.2083	499.2083	0.1521	6.8000e-004	503.2124

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.3319	1.8824	2.0308	5.7200e-003	0.1674	0.0772	0.2445	0.0757	0.0714	0.1471	0.0000	499.2077	499.2077	0.1521	6.8000e-004	503.2118
2025	0.0215	0.0161	0.0191	6.0000e-005	1.0000e-005	6.0000e-004	6.1000e-004	0.0000	5.5000e-004	5.6000e-004	0.0000	5.6088	5.6088	1.8000e-003	0.0000	5.6540
Maximum	0.3319	1.8824	2.0308	5.7200e-003	0.1674	0.0772	0.2445	0.0757	0.0714	0.1471	0.0000	499.2077	499.2077	0.1521	6.8000e-004	503.2118

Lift Station 24 - Yuba County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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)
1	1-1-2024	3-31-2024	0.5967	0.5967
2	4-1-2024	6-30-2024	0.4071	0.4071
3	7-1-2024	9-30-2024	0.4831	0.4831
4	10-1-2024	12-31-2024	0.7261	0.7261
5	1-1-2025	3-31-2025	0.0268	0.0268
		Highest	0.7261	0.7261

Lift Station 24 - Yuba County, Annual

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0336	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1000e-004	1.1000e-004	0.0000	0.0000	1.2000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	8.1000e-004	2.2700e-003	2.9500e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.3770	0.3770	5.0000e-005	0.0000	0.3783
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	0.0344	2.2700e-003	3.0100e-003	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	1.2000e-004	1.2000e-004	0.0000	0.3771	0.3771	5.0000e-005	0.0000	0.3784

Lift Station 24 - Yuba County, Annual

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0336	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1000e-004	1.1000e-004	0.0000	0.0000	1.2000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	8.1000e-004	2.2700e-003	2.9500e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.3770	0.3770	5.0000e-005	0.0000	0.3783
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	0.0344	2.2700e-003	3.0100e-003	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	1.2000e-004	1.2000e-004	0.0000	0.3771	0.3771	5.0000e-005	0.0000	0.3784

	ROG	NOx	CO	SO2	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	Grading Rough	Grading	1/1/2024	3/1/2024	5	45	
2	Piping Underground	Trenching	2/10/2024	6/14/2024	5	90	

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

3	Site Electrical	Trenching	5/4/2024	9/6/2024	5	90
4	Site Lighting	Trenching	7/27/2024	8/16/2024	5	15
5	Wet Well Construction	Trenching	8/10/2024	10/11/2024	5	45
6	Wall and Generator	Building Construction	9/21/2024	10/11/2024	5	15
7	Pumps and Piping	Building Construction	10/5/2024	12/27/2024	5	60
8	Final Grading and Paving	Paving	11/30/2024	12/20/2024	5	15
9	PG&E Site Painting	Architectural Coating	12/14/2024	1/3/2025	5	15

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 40.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 12,323; Non-Residential Indoor: 4,108; Striped Parking Area: 0
 (Architectural Coating – sqft)

Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading Rough	Dumpers/Tenders	1	6.00	16	0.38
Grading Rough	Excavators	1	6.00	158	0.38
Grading Rough	Forklifts	1	6.00	89	0.20
Grading Rough	Graders	1	6.00	187	0.41
Grading Rough	Off-Highway Trucks	2	6.00	250	0.38
Grading Rough	Plate Compactors	1	6.00	8	0.43
Grading Rough	Rollers	1	6.00	80	0.38
Grading Rough	Rubber Tired Dozers	1	6.00	247	0.40
Grading Rough	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Piping Underground	Dumpers/Tenders	1	6.00	16	0.38
Piping Underground	Forklifts	1	6.00	89	0.20
Piping Underground	Off-Highway Trucks	2	6.00	250	0.38
Piping Underground	Off-Highway Trucks	1	6.00	402	0.38

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Piping Underground	Plate Compactors	1	6.00	8	0.43
Piping Underground	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Electrical	Dumpers/Tenders	1	6.00	16	0.38
Site Electrical	Forklifts	1	6.00	89	0.20
Site Electrical	Off-Highway Trucks	1	6.00	250	0.38
Site Electrical	Off-Highway Trucks	1	6.00	402	0.38
Site Electrical	Plate Compactors	1	6.00	8	0.43
Site Electrical	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Lighting	Dumpers/Tenders	1	6.00	16	0.38
Site Lighting	Forklifts	1	6.00	89	0.20
Site Lighting	Off-Highway Trucks	1	6.00	250	0.38
Site Lighting	Off-Highway Trucks	1	6.00	402	0.38
Site Lighting	Plate Compactors	1	6.00	8	0.43
Site Lighting	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wet Well Construction	Cranes	1	1.00	231	0.29
Wet Well Construction	Dumpers/Tenders	1	6.00	16	0.38
Wet Well Construction	Excavators	1	4.00	158	0.38
Wet Well Construction	Forklifts	1	6.00	89	0.20
Wet Well Construction	Off-Highway Trucks	2	6.00	250	0.38
Wet Well Construction	Off-Highway Trucks	1	6.00	402	0.38
Wet Well Construction	Plate Compactors	1	6.00	8	0.43
Wet Well Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wall and Generator	Aerial Lifts	1	8.00	63	0.31
Wall and Generator	Dumpers/Tenders	1	8.00	16	0.38
Wall and Generator	Forklifts	1	8.00	89	0.20
Wall and Generator	Off-Highway Trucks	2	8.00	250	0.38
Wall and Generator	Off-Highway Trucks	1	8.00	402	0.38
Wall and Generator	Plate Compactors	1	8.00	8	0.43
Wall and Generator	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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Pumps and Piping	Aerial Lifts	1	6.00	63	0.31
Pumps and Piping	Dumpers/Tenders	1	6.00	16	0.38
Pumps and Piping	Excavators	1	6.00	158	0.38
Pumps and Piping	Forklifts	1	6.00	89	0.20
Pumps and Piping	Off-Highway Trucks	2	6.00	250	0.38
Pumps and Piping	Off-Highway Trucks	1	6.00	402	0.38
Pumps and Piping	Plate Compactors	1	6.00	8	0.43
Pumps and Piping	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Pumps and Piping	Welders	1	6.00	46	0.45
Final Grading and Paving	Dumpers/Tenders	1	6.00	16	0.38
Final Grading and Paving	Forklifts	1	6.00	89	0.20
Final Grading and Paving	Graders	1	6.00	187	0.41
Final Grading and Paving	Off-Highway Trucks	1	6.00	250	0.38
Final Grading and Paving	Off-Highway Trucks	1	6.00	402	0.38
Final Grading and Paving	Pavers	1	6.00	130	0.42
Final Grading and Paving	Plate Compactors	1	6.00	8	0.43
Final Grading and Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
PG&E Site Painting	Aerial Lifts	2	6.00	63	0.31
PG&E Site Painting	Dumpers/Tenders	1	3.00	16	0.38
PG&E Site Painting	Forklifts	1	6.00	89	0.20
PG&E Site Painting	Off-Highway Trucks	4	8.00	250	0.38
PG&E Site Painting	Off-Highway Trucks	1	3.00	402	0.38
PG&E Site Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading Rough	11	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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Piping Underground	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Electrical	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Lighting	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wet Well Construction	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wall and Generator	8	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Pumps and Piping	10	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading and Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PG&E Site Painting	10	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading Rough - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1434	0.0000	0.1434	0.0694	0.0000	0.0694	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0430	0.3923	0.3408	8.1000e-004		0.0169	0.0169		0.0155	0.0155	0.0000	71.0462	71.0462	0.0227	0.0000	71.6127
Total	0.0430	0.3923	0.3408	8.1000e-004	0.1434	0.0169	0.1603	0.0694	0.0155	0.0849	0.0000	71.0462	71.0462	0.0227	0.0000	71.6127

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3.2 Grading Rough - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9500e-003	1.3100e-003	0.0156	4.0000e-005	4.9500e-003	2.0000e-005	4.9800e-003	1.3200e-003	2.0000e-005	1.3400e-003	0.0000	3.9431	3.9431	1.3000e-004	1.2000e-004	3.9815
Total	1.9500e-003	1.3100e-003	0.0156	4.0000e-005	4.9500e-003	2.0000e-005	4.9800e-003	1.3200e-003	2.0000e-005	1.3400e-003	0.0000	3.9431	3.9431	1.3000e-004	1.2000e-004	3.9815

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1434	0.0000	0.1434	0.0694	0.0000	0.0694	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0430	0.3923	0.3408	8.1000e-004		0.0169	0.0169		0.0155	0.0155	0.0000	71.0461	71.0461	0.0227	0.0000	71.6127
Total	0.0430	0.3923	0.3408	8.1000e-004	0.1434	0.0169	0.1603	0.0694	0.0155	0.0849	0.0000	71.0461	71.0461	0.0227	0.0000	71.6127

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3.2 Grading Rough - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9500e-003	1.3100e-003	0.0156	4.0000e-005	4.9500e-003	2.0000e-005	4.9800e-003	1.3200e-003	2.0000e-005	1.3400e-003	0.0000	3.9431	3.9431	1.3000e-004	1.2000e-004	3.9815
Total	1.9500e-003	1.3100e-003	0.0156	4.0000e-005	4.9500e-003	2.0000e-005	4.9800e-003	1.3200e-003	2.0000e-005	1.3400e-003	0.0000	3.9431	3.9431	1.3000e-004	1.2000e-004	3.9815

3.3 Piping Underground - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0515	0.3685	0.3816	1.1900e-003		0.0151	0.0151		0.0139	0.0139	0.0000	104.0253	104.0253	0.0330	0.0000	104.8505
Total	0.0515	0.3685	0.3816	1.1900e-003		0.0151	0.0151		0.0139	0.0139	0.0000	104.0253	104.0253	0.0330	0.0000	104.8505

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3.3 Piping Underground - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5100e-003	1.6800e-003	0.0201	5.0000e-005	6.3700e-003	3.0000e-005	6.4000e-003	1.6900e-003	3.0000e-005	1.7200e-003	0.0000	5.0697	5.0697	1.6000e-004	1.5000e-004	5.1191
Total	2.5100e-003	1.6800e-003	0.0201	5.0000e-005	6.3700e-003	3.0000e-005	6.4000e-003	1.6900e-003	3.0000e-005	1.7200e-003	0.0000	5.0697	5.0697	1.6000e-004	1.5000e-004	5.1191

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0515	0.3685	0.3816	1.1900e-003		0.0151	0.0151		0.0139	0.0139	0.0000	104.0251	104.0251	0.0330	0.0000	104.8504
Total	0.0515	0.3685	0.3816	1.1900e-003		0.0151	0.0151		0.0139	0.0139	0.0000	104.0251	104.0251	0.0330	0.0000	104.8504

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3.3 Piping Underground - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5100e-003	1.6800e-003	0.0201	5.0000e-005	6.3700e-003	3.0000e-005	6.4000e-003	1.6900e-003	3.0000e-005	1.7200e-003	0.0000	5.0697	5.0697	1.6000e-004	1.5000e-004	5.1191
Total	2.5100e-003	1.6800e-003	0.0201	5.0000e-005	6.3700e-003	3.0000e-005	6.4000e-003	1.6900e-003	3.0000e-005	1.7200e-003	0.0000	5.0697	5.0697	1.6000e-004	1.5000e-004	5.1191

3.4 Site Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0401	0.2918	0.3104	9.2000e-004		0.0120	0.0120		0.0111	0.0111	0.0000	79.9598	79.9598	0.0252	0.0000	80.5904
Total	0.0401	0.2918	0.3104	9.2000e-004		0.0120	0.0120		0.0111	0.0111	0.0000	79.9598	79.9598	0.0252	0.0000	80.5904

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3.4 Site Electrical - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0900e-003	1.4000e-003	0.0167	5.0000e-005	5.3100e-003	3.0000e-005	5.3300e-003	1.4100e-003	2.0000e-005	1.4400e-003	0.0000	4.2248	4.2248	1.3000e-004	1.3000e-004	4.2659
Total	2.0900e-003	1.4000e-003	0.0167	5.0000e-005	5.3100e-003	3.0000e-005	5.3300e-003	1.4100e-003	2.0000e-005	1.4400e-003	0.0000	4.2248	4.2248	1.3000e-004	1.3000e-004	4.2659

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0401	0.2918	0.3104	9.2000e-004		0.0120	0.0120		0.0111	0.0111	0.0000	79.9597	79.9597	0.0252	0.0000	80.5903
Total	0.0401	0.2918	0.3104	9.2000e-004		0.0120	0.0120		0.0111	0.0111	0.0000	79.9597	79.9597	0.0252	0.0000	80.5903

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3.4 Site Electrical - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0900e-003	1.4000e-003	0.0167	5.0000e-005	5.3100e-003	3.0000e-005	5.3300e-003	1.4100e-003	2.0000e-005	1.4400e-003	0.0000	4.2248	4.2248	1.3000e-004	1.3000e-004	4.2659
Total	2.0900e-003	1.4000e-003	0.0167	5.0000e-005	5.3100e-003	3.0000e-005	5.3300e-003	1.4100e-003	2.0000e-005	1.4400e-003	0.0000	4.2248	4.2248	1.3000e-004	1.3000e-004	4.2659

3.5 Site Lighting - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.6800e-003	0.0486	0.0517	1.5000e-004		2.0000e-003	2.0000e-003		1.8500e-003	1.8500e-003	0.0000	13.3266	13.3266	4.2000e-003	0.0000	13.4317
Total	6.6800e-003	0.0486	0.0517	1.5000e-004		2.0000e-003	2.0000e-003		1.8500e-003	1.8500e-003	0.0000	13.3266	13.3266	4.2000e-003	0.0000	13.4317

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3.5 Site Lighting - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.3000e-004	2.7900e-003	1.0000e-005	8.8000e-004	0.0000	8.9000e-004	2.4000e-004	0.0000	2.4000e-004	0.0000	0.7041	0.7041	2.0000e-005	2.0000e-005	0.7110
Total	3.5000e-004	2.3000e-004	2.7900e-003	1.0000e-005	8.8000e-004	0.0000	8.9000e-004	2.4000e-004	0.0000	2.4000e-004	0.0000	0.7041	0.7041	2.0000e-005	2.0000e-005	0.7110

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.6800e-003	0.0486	0.0517	1.5000e-004		2.0000e-003	2.0000e-003		1.8500e-003	1.8500e-003	0.0000	13.3266	13.3266	4.2000e-003	0.0000	13.4317
Total	6.6800e-003	0.0486	0.0517	1.5000e-004		2.0000e-003	2.0000e-003		1.8500e-003	1.8500e-003	0.0000	13.3266	13.3266	4.2000e-003	0.0000	13.4317

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3.5 Site Lighting - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.3000e-004	2.7900e-003	1.0000e-005	8.8000e-004	0.0000	8.9000e-004	2.4000e-004	0.0000	2.4000e-004	0.0000	0.7041	0.7041	2.0000e-005	2.0000e-005	0.7110
Total	3.5000e-004	2.3000e-004	2.7900e-003	1.0000e-005	8.8000e-004	0.0000	8.9000e-004	2.4000e-004	0.0000	2.4000e-004	0.0000	0.7041	0.7041	2.0000e-005	2.0000e-005	0.7110

3.6 Wet Well Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0287	0.2099	0.2325	6.7000e-004		8.7100e-003	8.7100e-003		8.0500e-003	8.0500e-003	0.0000	58.5440	58.5440	0.0186	0.0000	59.0094
Total	0.0287	0.2099	0.2325	6.7000e-004		8.7100e-003	8.7100e-003		8.0500e-003	8.0500e-003	0.0000	58.5440	58.5440	0.0186	0.0000	59.0094

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3.6 Wet Well Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6100e-003	1.0700e-003	0.0128	3.0000e-005	4.0700e-003	2.0000e-005	4.0900e-003	1.0800e-003	2.0000e-005	1.1000e-003	0.0000	3.2390	3.2390	1.0000e-004	1.0000e-004	3.2705
Total	1.6100e-003	1.0700e-003	0.0128	3.0000e-005	4.0700e-003	2.0000e-005	4.0900e-003	1.0800e-003	2.0000e-005	1.1000e-003	0.0000	3.2390	3.2390	1.0000e-004	1.0000e-004	3.2705

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0287	0.2099	0.2325	6.7000e-004		8.7100e-003	8.7100e-003		8.0500e-003	8.0500e-003	0.0000	58.5440	58.5440	0.0186	0.0000	59.0094
Total	0.0287	0.2099	0.2325	6.7000e-004		8.7100e-003	8.7100e-003		8.0500e-003	8.0500e-003	0.0000	58.5440	58.5440	0.0186	0.0000	59.0094

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

3.6 Wet Well Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6100e-003	1.0700e-003	0.0128	3.0000e-005	4.0700e-003	2.0000e-005	4.0900e-003	1.0800e-003	2.0000e-005	1.1000e-003	0.0000	3.2390	3.2390	1.0000e-004	1.0000e-004	3.2705
Total	1.6100e-003	1.0700e-003	0.0128	3.0000e-005	4.0700e-003	2.0000e-005	4.0900e-003	1.0800e-003	2.0000e-005	1.1000e-003	0.0000	3.2390	3.2390	1.0000e-004	1.0000e-004	3.2705

3.7 Wall and Generator - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0117	0.0858	0.0930	2.8000e-004		3.4100e-003	3.4100e-003		3.1600e-003	3.1600e-003	0.0000	24.2232	24.2232	7.6900e-003	0.0000	24.4155
Total	0.0117	0.0858	0.0930	2.8000e-004		3.4100e-003	3.4100e-003		3.1600e-003	3.1600e-003	0.0000	24.2232	24.2232	7.6900e-003	0.0000	24.4155

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

3.7 Wall and Generator - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	4.6000e-004	1.0000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.1579	0.1579	0.0000	2.0000e-005	0.1647
Worker	7.0000e-005	5.0000e-005	5.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1408	0.1408	0.0000	0.0000	0.1422
Total	8.0000e-005	5.1000e-004	6.6000e-004	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	7.0000e-005	0.0000	0.2987	0.2987	0.0000	2.0000e-005	0.3069

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0117	0.0858	0.0930	2.8000e-004		3.4100e-003	3.4100e-003		3.1600e-003	3.1600e-003	0.0000	24.2231	24.2231	7.6900e-003	0.0000	24.4155
Total	0.0117	0.0858	0.0930	2.8000e-004		3.4100e-003	3.4100e-003		3.1600e-003	3.1600e-003	0.0000	24.2231	24.2231	7.6900e-003	0.0000	24.4155

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

3.7 Wall and Generator - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	4.6000e-004	1.0000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.1579	0.1579	0.0000	2.0000e-005	0.1647
Worker	7.0000e-005	5.0000e-005	5.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1408	0.1408	0.0000	0.0000	0.1422
Total	8.0000e-005	5.1000e-004	6.6000e-004	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	7.0000e-005	0.0000	0.2987	0.2987	0.0000	2.0000e-005	0.3069

3.8 Pumps and Piping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0445	0.3201	0.3899	1.0100e-003		0.0129	0.0129		0.0120	0.0120	0.0000	87.1157	87.1157	0.0268	0.0000	87.7861
Total	0.0445	0.3201	0.3899	1.0100e-003		0.0129	0.0129		0.0120	0.0120	0.0000	87.1157	87.1157	0.0268	0.0000	87.7861

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3.8 Pumps and Piping - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	1.8400e-003	4.1000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6316	0.6316	0.0000	9.0000e-005	0.6590
Worker	2.8000e-004	1.9000e-004	2.2300e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5633	0.5633	2.0000e-005	2.0000e-005	0.5688
Total	3.2000e-004	2.0300e-003	2.6400e-003	2.0000e-005	9.1000e-004	1.0000e-005	9.2000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	1.1949	1.1949	2.0000e-005	1.1000e-004	1.2278

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0445	0.3201	0.3899	1.0100e-003		0.0129	0.0129		0.0120	0.0120	0.0000	87.1156	87.1156	0.0268	0.0000	87.7860
Total	0.0445	0.3201	0.3899	1.0100e-003		0.0129	0.0129		0.0120	0.0120	0.0000	87.1156	87.1156	0.0268	0.0000	87.7860

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3.8 Pumps and Piping - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	1.8400e-003	4.1000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6316	0.6316	0.0000	9.0000e-005	0.6590
Worker	2.8000e-004	1.9000e-004	2.2300e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5633	0.5633	2.0000e-005	2.0000e-005	0.5688
Total	3.2000e-004	2.0300e-003	2.6400e-003	2.0000e-005	9.1000e-004	1.0000e-005	9.2000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	1.1949	1.1949	2.0000e-005	1.1000e-004	1.2278

3.9 Final Grading and Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.7100e-003	0.0818	0.0773	2.2000e-004		3.2100e-003	3.2100e-003		2.9700e-003	2.9700e-003	0.0000	18.9177	18.9177	6.0100e-003	0.0000	19.0681
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.7100e-003	0.0818	0.0773	2.2000e-004		3.2100e-003	3.2100e-003		2.9700e-003	2.9700e-003	0.0000	18.9177	18.9177	6.0100e-003	0.0000	19.0681

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3.9 Final Grading and Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	3.1000e-004	3.7200e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9388	0.9388	3.0000e-005	3.0000e-005	0.9480
Total	4.7000e-004	3.1000e-004	3.7200e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9388	0.9388	3.0000e-005	3.0000e-005	0.9480

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	9.7100e-003	0.0818	0.0773	2.2000e-004		3.2100e-003	3.2100e-003		2.9700e-003	2.9700e-003	0.0000	18.9177	18.9177	6.0100e-003	0.0000	19.0680
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.7100e-003	0.0818	0.0773	2.2000e-004		3.2100e-003	3.2100e-003		2.9700e-003	2.9700e-003	0.0000	18.9177	18.9177	6.0100e-003	0.0000	19.0680

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3.9 Final Grading and Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	3.1000e-004	3.7200e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9388	0.9388	3.0000e-005	3.0000e-005	0.9480
Total	4.7000e-004	3.1000e-004	3.7200e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9388	0.9388	3.0000e-005	3.0000e-005	0.9480

3.10 PG&E Site Painting - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0762					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0105	0.0750	0.0785	2.6000e-004		2.9500e-003	2.9500e-003		2.7200e-003	2.7200e-003	0.0000	22.3990	22.3990	7.2200e-003	0.0000	22.5795
Total	0.0866	0.0750	0.0785	2.6000e-004		2.9500e-003	2.9500e-003		2.7200e-003	2.7200e-003	0.0000	22.3990	22.3990	7.2200e-003	0.0000	22.5795

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3.10 PG&E Site Painting - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.5000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0376	0.0376	0.0000	0.0000	0.0379
Total	2.0000e-005	1.0000e-005	1.5000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0376	0.0376	0.0000	0.0000	0.0379

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0762					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0105	0.0750	0.0785	2.6000e-004		2.9500e-003	2.9500e-003		2.7200e-003	2.7200e-003	0.0000	22.3990	22.3990	7.2200e-003	0.0000	22.5794
Total	0.0866	0.0750	0.0785	2.6000e-004		2.9500e-003	2.9500e-003		2.7200e-003	2.7200e-003	0.0000	22.3990	22.3990	7.2200e-003	0.0000	22.5794

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3.10 PG&E Site Painting - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.5000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0376	0.0376	0.0000	0.0000	0.0379
Total	2.0000e-005	1.0000e-005	1.5000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0376	0.0376	0.0000	0.0000	0.0379

3.10 PG&E Site Painting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0190					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4200e-003	0.0161	0.0191	6.0000e-005		6.0000e-004	6.0000e-004		5.5000e-004	5.5000e-004	0.0000	5.5997	5.5997	1.8000e-003	0.0000	5.6448
Total	0.0215	0.0161	0.0191	6.0000e-005		6.0000e-004	6.0000e-004		5.5000e-004	5.5000e-004	0.0000	5.5997	5.5997	1.8000e-003	0.0000	5.6448

Lift Station 24 - Yuba County, Annual

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

3.10 PG&E Site Painting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	9.1600e-003	9.1600e-003	0.0000	0.0000	9.2400e-003
Total	0.0000	0.0000	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	9.1600e-003	9.1600e-003	0.0000	0.0000	9.2400e-003

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0190					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4200e-003	0.0161	0.0191	6.0000e-005		6.0000e-004	6.0000e-004		5.5000e-004	5.5000e-004	0.0000	5.5997	5.5997	1.8000e-003	0.0000	5.6448
Total	0.0215	0.0161	0.0191	6.0000e-005		6.0000e-004	6.0000e-004		5.5000e-004	5.5000e-004	0.0000	5.5997	5.5997	1.8000e-003	0.0000	5.6448

Lift Station 24 - Yuba County, Annual

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

3.10 PG&E Site Painting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	9.1600e-003	9.1600e-003	0.0000	0.0000	9.2400e-003
Total	0.0000	0.0000	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	9.1600e-003	9.1600e-003	0.0000	0.0000	9.2400e-003

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

5.3 Energy by Land Use - Electricity

Unmitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000

Mitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Lift Station 24 - Yuba County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0336	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1000e-004	1.1000e-004	0.0000	0.0000	1.2000e-004
Unmitigated	0.0336	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1000e-004	1.1000e-004	0.0000	0.0000	1.2000e-004

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	9.5200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0241					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1000e-004	1.1000e-004	0.0000	0.0000	1.2000e-004
Total	0.0336	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1000e-004	1.1000e-004	0.0000	0.0000	1.2000e-004

Lift Station 24 - Yuba County, Annual

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	9.5200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0241					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1000e-004	1.1000e-004	0.0000	0.0000	1.2000e-004
Total	0.0336	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1000e-004	1.1000e-004	0.0000	0.0000	1.2000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

Lift Station 24 - Yuba County, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	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			
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Lift Station 24 - Yuba County, Annual

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated 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

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

8.2 Waste by Land Use

Unmitigated

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

Mitigated

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

9.0 Operational Offroad

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

Lift Station 24 - Yuba County, Annual

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	165	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

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)	8.1000e-004	2.2700e-003	2.9500e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.3770	0.3770	5.0000e-005	0.0000	0.3783
Total	8.1000e-004	2.2700e-003	2.9500e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.3770	0.3770	5.0000e-005	0.0000	0.3783

11.0 Vegetation

Lift Station 24 - Yuba County, Summer

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

Lift Station 24
Yuba County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	6.16	1000sqft	0.14	6,160.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Combined phases provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

Lift Station 24 - Yuba County, Summer

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

Trips and VMT -

Grading -

Vehicle Trips - Maintenance trips in Pump Station 1

Energy Use - n/a

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	15.00
tblConstructionPhase	NumDays	100.00	15.00
tblConstructionPhase	NumDays	100.00	60.00
tblConstructionPhase	NumDays	2.00	45.00
tblConstructionPhase	NumDays	5.00	15.00
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6550e-003	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.5660e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.4350e-003	0.00

Lift Station 24 - Yuba County, Summer

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00

Lift Station 24 - Yuba County, Summer

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		PG&E Site Painting

Lift Station 24 - Yuba County, Summer

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

tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Grading Rough

Lift Station 24 - Yuba County, Summer

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

tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	7.72	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	200.00	165.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	6.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	1,898,562.50	0.00

2.0 Emissions Summary

Lift Station 24 - Yuba County, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	17.3031	34.1829	37.0936	0.1070	6.7522	1.3502	7.8373	3.1825	1.2488	4.1840	0.0000	10,301.2799	10,301.2799	3.2000	0.0123	10,383.6593
2025	14.3078	10.7114	12.7655	0.0426	8.2100e-003	0.4007	0.4089	2.1800e-003	0.3692	0.3714	0.0000	4,122.4404	4,122.4404	1.3262	1.8000e-004	4,155.6470
Maximum	17.3031	34.1829	37.0936	0.1070	6.7522	1.3502	7.8373	3.1825	1.2488	4.1840	0.0000	10,301.2799	10,301.2799	3.2000	0.0123	10,383.6593

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	17.3031	34.1829	37.0936	0.1070	6.7522	1.3502	7.8373	3.1825	1.2488	4.1840	0.0000	10,301.2799	10,301.2799	3.2000	0.0123	10,383.6592
2025	14.3078	10.7114	12.7655	0.0426	8.2100e-003	0.4007	0.4089	2.1800e-003	0.3692	0.3714	0.0000	4,122.4404	4,122.4404	1.3262	1.8000e-004	4,155.6470
Maximum	17.3031	34.1829	37.0936	0.1070	6.7522	1.3502	7.8373	3.1825	1.2488	4.1840	0.0000	10,301.2799	10,301.2799	3.2000	0.0123	10,383.6592

Lift Station 24 - Yuba County, Summer

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

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

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	0.1840	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3500e-003	1.3500e-003	0.0000		1.4400e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.1354	0.3784	0.4913	6.5000e-004		0.0199	0.0199		0.0199	0.0199		69.2599	69.2599	9.7100e-003		69.5027
Total	0.3194	0.3784	0.4919	6.5000e-004	0.0000	0.0199	0.0199	0.0000	0.0199	0.0199		69.2613	69.2613	9.7100e-003	0.0000	69.5041

Lift Station 24 - Yuba County, Summer

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1840	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3500e-003	1.3500e-003	0.0000		1.4400e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.1354	0.3784	0.4913	6.5000e-004		0.0199	0.0199		0.0199	0.0199		69.2599	69.2599	9.7100e-003		69.5027
Total	0.3194	0.3784	0.4919	6.5000e-004	0.0000	0.0199	0.0199	0.0000	0.0199	0.0199		69.2613	69.2613	9.7100e-003	0.0000	69.5041

	ROG	NOx	CO	SO2	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	Grading Rough	Grading	1/1/2024	3/1/2024	5	45	
2	Piping Underground	Trenching	2/10/2024	6/14/2024	5	90	
3	Site Electrical	Trenching	5/4/2024	9/6/2024	5	90	
4	Site Lighting	Trenching	7/27/2024	8/16/2024	5	15	

Lift Station 24 - Yuba County, Summer

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

5	Wet Well Construction	Trenching	8/10/2024	10/11/2024	5	45
6	Wall and Generator	Building Construction	9/21/2024	10/11/2024	5	15
7	Pumps and Piping	Building Construction	10/5/2024	12/27/2024	5	60
8	Final Grading and Paving	Paving	11/30/2024	12/20/2024	5	15
9	PG&E Site Painting	Architectural Coating	12/14/2024	1/3/2025	5	15

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 40.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 12,323; Non-Residential Outdoor: 4,108; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading Rough	Dumpers/Tenders	1	6.00	16	0.38
Grading Rough	Excavators	1	6.00	158	0.38
Grading Rough	Forklifts	1	6.00	89	0.20
Grading Rough	Graders	1	6.00	187	0.41
Grading Rough	Off-Highway Trucks	2	6.00	250	0.38
Grading Rough	Plate Compactors	1	6.00	8	0.43
Grading Rough	Rollers	1	6.00	80	0.38
Grading Rough	Rubber Tired Dozers	1	6.00	247	0.40
Grading Rough	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Piping Underground	Dumpers/Tenders	1	6.00	16	0.38
Piping Underground	Forklifts	1	6.00	89	0.20
Piping Underground	Off-Highway Trucks	2	6.00	250	0.38
Piping Underground	Off-Highway Trucks	1	6.00	402	0.38
Piping Underground	Plate Compactors	1	6.00	8	0.43
Piping Underground	Tractors/Loaders/Backhoes	1	6.00	97	0.37

Lift Station 24 - Yuba County, Summer

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

Site Electrical	Dumpers/Tenders	1	6.00	16	0.38
Site Electrical	Forklifts	1	6.00	89	0.20
Site Electrical	Off-Highway Trucks	1	6.00	250	0.38
Site Electrical	Off-Highway Trucks	1	6.00	402	0.38
Site Electrical	Plate Compactors	1	6.00	8	0.43
Site Electrical	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Lighting	Dumpers/Tenders	1	6.00	16	0.38
Site Lighting	Forklifts	1	6.00	89	0.20
Site Lighting	Off-Highway Trucks	1	6.00	250	0.38
Site Lighting	Off-Highway Trucks	1	6.00	402	0.38
Site Lighting	Plate Compactors	1	6.00	8	0.43
Site Lighting	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wet Well Construction	Cranes	1	1.00	231	0.29
Wet Well Construction	Dumpers/Tenders	1	6.00	16	0.38
Wet Well Construction	Excavators	1	4.00	158	0.38
Wet Well Construction	Forklifts	1	6.00	89	0.20
Wet Well Construction	Off-Highway Trucks	2	6.00	250	0.38
Wet Well Construction	Off-Highway Trucks	1	6.00	402	0.38
Wet Well Construction	Plate Compactors	1	6.00	8	0.43
Wet Well Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wall and Generator	Aerial Lifts	1	8.00	63	0.31
Wall and Generator	Dumpers/Tenders	1	8.00	16	0.38
Wall and Generator	Forklifts	1	8.00	89	0.20
Wall and Generator	Off-Highway Trucks	2	8.00	250	0.38
Wall and Generator	Off-Highway Trucks	1	8.00	402	0.38
Wall and Generator	Plate Compactors	1	8.00	8	0.43
Wall and Generator	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pumps and Piping	Aerial Lifts	1	6.00	63	0.31
Pumps and Piping	Dumpers/Tenders	1	6.00	16	0.38

Lift Station 24 - Yuba County, Summer

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

Pumps and Piping	Excavators	1	6.00	158	0.38
Pumps and Piping	Forklifts	1	6.00	89	0.20
Pumps and Piping	Off-Highway Trucks	2	6.00	250	0.38
Pumps and Piping	Off-Highway Trucks	1	6.00	402	0.38
Pumps and Piping	Plate Compactors	1	6.00	8	0.43
Pumps and Piping	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Pumps and Piping	Welders	1	6.00	46	0.45
Final Grading and Paving	Dumpers/Tenders	1	6.00	16	0.38
Final Grading and Paving	Forklifts	1	6.00	89	0.20
Final Grading and Paving	Graders	1	6.00	187	0.41
Final Grading and Paving	Off-Highway Trucks	1	6.00	250	0.38
Final Grading and Paving	Off-Highway Trucks	1	6.00	402	0.38
Final Grading and Paving	Pavers	1	6.00	130	0.42
Final Grading and Paving	Plate Compactors	1	6.00	8	0.43
Final Grading and Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
PG&E Site Painting	Aerial Lifts	2	6.00	63	0.31
PG&E Site Painting	Dumpers/Tenders	1	3.00	16	0.38
PG&E Site Painting	Forklifts	1	6.00	89	0.20
PG&E Site Painting	Off-Highway Trucks	4	8.00	250	0.38
PG&E Site Painting	Off-Highway Trucks	1	3.00	402	0.38
PG&E Site Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading Rough	11	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Piping Underground	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Electrical	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Lift Station 24 - Yuba County, Summer

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

Site Lighting	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wet Well Construction	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wall and Generator	8	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Pumps and Piping	10	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading and Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PG&E Site Painting	10	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading Rough - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3743	0.0000	6.3743	3.0823	0.0000	3.0823			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905		3,480.669 3	3,480.669 3	1.1102		3,508.423 4
Total	1.9112	17.4364	15.1455	0.0361	6.3743	0.7488	7.1231	3.0823	0.6905	3.7728		3,480.669 3	3,480.669 3	1.1102		3,508.423 4

Lift Station 24 - Yuba County, Summer

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

3.2 Grading Rough - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915
Total	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3743	0.0000	6.3743	3.0823	0.0000	3.0823			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234
Total	1.9112	17.4364	15.1455	0.0361	6.3743	0.7488	7.1231	3.0823	0.6905	3.7728	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234

Lift Station 24 - Yuba County, Summer

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

3.2 Grading Rough - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915
Total	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915

3.3 Piping Underground - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969

Lift Station 24 - Yuba County, Summer

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

3.3 Piping Underground - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089
Total	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969

Lift Station 24 - Yuba County, Summer

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

3.3 Piping Underground - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089
Total	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089

3.4 Site Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271

Lift Station 24 - Yuba County, Summer

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

3.4 Site Electrical - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240
Total	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271

Lift Station 24 - Yuba County, Summer

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

3.4 Site Electrical - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240
Total	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240

3.5 Site Lighting - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271

Lift Station 24 - Yuba County, Summer

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

3.5 Site Lighting - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240
Total	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271

Lift Station 24 - Yuba County, Summer

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

3.5 Site Lighting - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240
Total	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240

3.6 Wet Well Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579		2,868.1660	2,868.1660	0.9121		2,890.9677
Total	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579		2,868.1660	2,868.1660	0.9121		2,890.9677

Lift Station 24 - Yuba County, Summer

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

3.6 Wet Well Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0843	0.0428	0.6626	1.6900e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		174.0107	174.0107	4.7600e-003	4.4300e-003	175.4502
Total	0.0843	0.0428	0.6626	1.6900e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		174.0107	174.0107	4.7600e-003	4.4300e-003	175.4502

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579	0.0000	2,868.1660	2,868.1660	0.9121		2,890.9677
Total	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579	0.0000	2,868.1660	2,868.1660	0.9121		2,890.9677

Lift Station 24 - Yuba County, Summer

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

3.6 Wet Well Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0843	0.0428	0.6626	1.6900e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		174.0107	174.0107	4.7600e-003	4.4300e-003	175.4502
Total	0.0843	0.0428	0.6626	1.6900e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		174.0107	174.0107	4.7600e-003	4.4300e-003	175.4502

3.7 Wall and Generator - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209		3,560.1964	3,560.1964	1.1307		3,588.4639
Total	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209		3,560.1964	3,560.1964	1.1307		3,588.4639

Lift Station 24 - Yuba County, Summer

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

3.7 Wall and Generator - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4500e-003	0.0582	0.0135	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2005	23.2005	8.0000e-005	3.3600e-003	24.2047
Worker	0.0110	5.5800e-003	0.0864	2.2000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		22.6970	22.6970	6.2000e-004	5.8000e-004	22.8848
Total	0.0124	0.0638	0.0999	4.4000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		45.8975	45.8975	7.0000e-004	3.9400e-003	47.0895

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209	0.0000	3,560.1964	3,560.1964	1.1307		3,588.4639
Total	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209	0.0000	3,560.1964	3,560.1964	1.1307		3,588.4639

Lift Station 24 - Yuba County, Summer

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

3.7 Wall and Generator - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4500e-003	0.0582	0.0135	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2005	23.2005	8.0000e-005	3.3600e-003	24.2047
Worker	0.0110	5.5800e-003	0.0864	2.2000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		22.6970	22.6970	6.2000e-004	5.8000e-004	22.8848
Total	0.0124	0.0638	0.0999	4.4000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		45.8975	45.8975	7.0000e-004	3.9400e-003	47.0895

3.8 Pumps and Piping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990		3,200.9546	3,200.9546	0.9853		3,225.5860
Total	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990		3,200.9546	3,200.9546	0.9853		3,225.5860

Lift Station 24 - Yuba County, Summer

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

3.8 Pumps and Piping - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4500e-003	0.0582	0.0135	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2005	23.2005	8.0000e-005	3.3600e-003	24.2047
Worker	0.0110	5.5800e-003	0.0864	2.2000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		22.6970	22.6970	6.2000e-004	5.8000e-004	22.8848
Total	0.0124	0.0638	0.0999	4.4000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		45.8975	45.8975	7.0000e-004	3.9400e-003	47.0895

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990	0.0000	3,200.9546	3,200.9546	0.9853		3,225.5860
Total	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990	0.0000	3,200.9546	3,200.9546	0.9853		3,225.5860

Lift Station 24 - Yuba County, Summer

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

3.8 Pumps and Piping - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4500e-003	0.0582	0.0135	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2005	23.2005	8.0000e-005	3.3600e-003	24.2047
Worker	0.0110	5.5800e-003	0.0864	2.2000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		22.6970	22.6970	6.2000e-004	5.8000e-004	22.8848
Total	0.0124	0.0638	0.0999	4.4000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		45.8975	45.8975	7.0000e-004	3.9400e-003	47.0895

3.9 Final Grading and Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2941	10.9080	10.3093	0.0289		0.4285	0.4285		0.3958	0.3958		2,780.4313	2,780.4313	0.8837		2,802.5237
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2941	10.9080	10.3093	0.0289		0.4285	0.4285		0.3958	0.3958		2,780.4313	2,780.4313	0.8837		2,802.5237

Lift Station 24 - Yuba County, Summer

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

3.9 Final Grading and Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0733	0.0372	0.5761	1.4700e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		151.3136	151.3136	4.1400e-003	3.8500e-003	152.5654
Total	0.0733	0.0372	0.5761	1.4700e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		151.3136	151.3136	4.1400e-003	3.8500e-003	152.5654

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2941	10.9080	10.3093	0.0289		0.4285	0.4285		0.3958	0.3958	0.0000	2,780.4313	2,780.4313	0.8837		2,802.5237
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2941	10.9080	10.3093	0.0289		0.4285	0.4285		0.3958	0.3958	0.0000	2,780.4313	2,780.4313	0.8837		2,802.5237

Lift Station 24 - Yuba County, Summer

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

3.9 Final Grading and Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0733	0.0372	0.5761	1.4700e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		151.3136	151.3136	4.1400e-003	3.8500e-003	152.5654
Total	0.0733	0.0372	0.5761	1.4700e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		151.3136	151.3136	4.1400e-003	3.8500e-003	152.5654

3.10 PG&E Site Painting - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.6930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.7444	12.5015	13.0839	0.0426		0.4917	0.4917		0.4528	0.4528		4,115.1172	4,115.1172	1.3260		4,148.2665
Total	14.4374	12.5015	13.0839	0.0426		0.4917	0.4917		0.4528	0.4528		4,115.1172	4,115.1172	1.3260		4,148.2665

Lift Station 24 - Yuba County, Summer

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

3.10 PG&E Site Painting - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6600e-003	1.8600e-003	0.0288	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	4.0000e-005	2.2200e-003		7.5657	7.5657	2.1000e-004	1.9000e-004	7.6283
Total	3.6600e-003	1.8600e-003	0.0288	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	4.0000e-005	2.2200e-003		7.5657	7.5657	2.1000e-004	1.9000e-004	7.6283

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.6930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.7444	12.5015	13.0839	0.0426		0.4917	0.4917		0.4528	0.4528	0.0000	4,115.1172	4,115.1172	1.3260		4,148.2665
Total	14.4374	12.5015	13.0839	0.0426		0.4917	0.4917		0.4528	0.4528	0.0000	4,115.1172	4,115.1172	1.3260		4,148.2665

Lift Station 24 - Yuba County, Summer

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

3.10 PG&E Site Painting - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6600e-003	1.8600e-003	0.0288	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	4.0000e-005	2.2200e-003		7.5657	7.5657	2.1000e-004	1.9000e-004	7.6283
Total	3.6600e-003	1.8600e-003	0.0288	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	4.0000e-005	2.2200e-003		7.5657	7.5657	2.1000e-004	1.9000e-004	7.6283

3.10 PG&E Site Painting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.6930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092
Total	14.3044	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092

Lift Station 24 - Yuba County, Summer

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

3.10 PG&E Site Painting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-003	1.6400e-003	0.0265	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		7.3801	7.3801	1.9000e-004	1.8000e-004	7.4378
Total	3.4000e-003	1.6400e-003	0.0265	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		7.3801	7.3801	1.9000e-004	1.8000e-004	7.4378

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.6930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092
Total	14.3044	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092

Lift Station 24 - Yuba County, Summer

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

3.10 PG&E Site Painting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-003	1.6400e-003	0.0265	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		7.3801	7.3801	1.9000e-004	1.8000e-004	7.4378
Total	3.4000e-003	1.6400e-003	0.0265	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		7.3801	7.3801	1.9000e-004	1.8000e-004	7.4378

Lift Station 24 - Yuba County, Summer

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	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

Lift Station 24 - Yuba County, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated 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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1840	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3500e-003	1.3500e-003	0.0000		1.4400e-003
Unmitigated	0.1840	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3500e-003	1.3500e-003	0.0000		1.4400e-003

Lift Station 24 - Yuba County, Summer

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1318					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3500e-003	1.3500e-003	0.0000		1.4400e-003
Total	0.1840	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3500e-003	1.3500e-003	0.0000		1.4400e-003

Lift Station 24 - Yuba County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1318					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3500e-003	1.3500e-003	0.0000		1.4400e-003
Total	0.1840	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3500e-003	1.3500e-003	0.0000		1.4400e-003

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
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Lift Station 24 - Yuba County, Summer

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

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	165	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

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)	0.1354	0.3784	0.4913	6.5000e-004		0.0199	0.0199		0.0199	0.0199		69.2599	69.2599	9.7100e-003		69.5027
Total	0.1354	0.3784	0.4913	6.5000e-004		0.0199	0.0199		0.0199	0.0199		69.2599	69.2599	9.7100e-003		69.5027

11.0 Vegetation

Lift Station 24 - Yuba County, Winter

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

Lift Station 24
Yuba County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	6.16	1000sqft	0.14	6,160.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Combined phases provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

Lift Station 24 - Yuba County, Winter

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

Trips and VMT -

Grading -

Vehicle Trips - Maintenance trips in Pump Station 1

Energy Use - n/a

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	15.00
tblConstructionPhase	NumDays	100.00	15.00
tblConstructionPhase	NumDays	100.00	60.00
tblConstructionPhase	NumDays	2.00	45.00
tblConstructionPhase	NumDays	5.00	15.00
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6550e-003	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.5660e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.4350e-003	0.00

Lift Station 24 - Yuba County, Winter

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00

Lift Station 24 - Yuba County, Winter

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		PG&E Site Painting

Lift Station 24 - Yuba County, Winter

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

tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Grading Rough

Lift Station 24 - Yuba County, Winter

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

tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	7.72	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	200.00	165.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	6.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	1,898,562.50	0.00

2.0 Emissions Summary

Lift Station 24 - Yuba County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	17.2921	34.1985	37.0052	0.1068	6.7522	1.3502	7.8373	3.1825	1.2488	4.1840	0.0000	10,281.1286	10,281.1286	3.2008	0.0132	10,363.7500
2025	14.3073	10.7118	12.7623	0.0426	8.2100e-003	0.4007	0.4089	2.1800e-003	0.3692	0.3714	0.0000	4,121.6229	4,121.6229	1.3262	2.1000e-004	4,154.8387
Maximum	17.2921	34.1985	37.0052	0.1068	6.7522	1.3502	7.8373	3.1825	1.2488	4.1840	0.0000	10,281.1286	10,281.1286	3.2008	0.0132	10,363.7500

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	17.2921	34.1985	37.0052	0.1068	6.7522	1.3502	7.8373	3.1825	1.2488	4.1840	0.0000	10,281.1286	10,281.1286	3.2008	0.0132	10,363.7500
2025	14.3073	10.7118	12.7623	0.0426	8.2100e-003	0.4007	0.4089	2.1800e-003	0.3692	0.3714	0.0000	4,121.6229	4,121.6229	1.3262	2.1000e-004	4,154.8387
Maximum	17.2921	34.1985	37.0052	0.1068	6.7522	1.3502	7.8373	3.1825	1.2488	4.1840	0.0000	10,281.1286	10,281.1286	3.2008	0.0132	10,363.7500

Lift Station 24 - Yuba County, Winter

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

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

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	0.1840	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3500e-003	1.3500e-003	0.0000		1.4400e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.1354	0.3784	0.4913	6.5000e-004		0.0199	0.0199		0.0199	0.0199		69.2599	69.2599	9.7100e-003		69.5027
Total	0.3194	0.3784	0.4919	6.5000e-004	0.0000	0.0199	0.0199	0.0000	0.0199	0.0199		69.2613	69.2613	9.7100e-003	0.0000	69.5041

Lift Station 24 - Yuba County, Winter

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1840	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3500e-003	1.3500e-003	0.0000		1.4400e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.1354	0.3784	0.4913	6.5000e-004		0.0199	0.0199		0.0199	0.0199		69.2599	69.2599	9.7100e-003		69.5027
Total	0.3194	0.3784	0.4919	6.5000e-004	0.0000	0.0199	0.0199	0.0000	0.0199	0.0199		69.2613	69.2613	9.7100e-003	0.0000	69.5041

	ROG	NOx	CO	SO2	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	Grading Rough	Grading	1/1/2024	3/1/2024	5	45	
2	Piping Underground	Trenching	2/10/2024	6/14/2024	5	90	
3	Site Electrical	Trenching	5/4/2024	9/6/2024	5	90	
4	Site Lighting	Trenching	7/27/2024	8/16/2024	5	15	

Lift Station 24 - Yuba County, Winter

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

5	Wet Well Construction	Trenching	8/10/2024	10/11/2024	5	45
6	Wall and Generator	Building Construction	9/21/2024	10/11/2024	5	15
7	Pumps and Piping	Building Construction	10/5/2024	12/27/2024	5	60
8	Final Grading and Paving	Paving	11/30/2024	12/20/2024	5	15
9	PG&E Site Painting	Architectural Coating	12/14/2024	1/3/2025	5	15

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 40.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 12,323; Non-Residential Outdoor: 4,108; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading Rough	Dumpers/Tenders	1	6.00	16	0.38
Grading Rough	Excavators	1	6.00	158	0.38
Grading Rough	Forklifts	1	6.00	89	0.20
Grading Rough	Graders	1	6.00	187	0.41
Grading Rough	Off-Highway Trucks	2	6.00	250	0.38
Grading Rough	Plate Compactors	1	6.00	8	0.43
Grading Rough	Rollers	1	6.00	80	0.38
Grading Rough	Rubber Tired Dozers	1	6.00	247	0.40
Grading Rough	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Piping Underground	Dumpers/Tenders	1	6.00	16	0.38
Piping Underground	Forklifts	1	6.00	89	0.20
Piping Underground	Off-Highway Trucks	2	6.00	250	0.38
Piping Underground	Off-Highway Trucks	1	6.00	402	0.38
Piping Underground	Plate Compactors	1	6.00	8	0.43
Piping Underground	Tractors/Loaders/Backhoes	1	6.00	97	0.37

Lift Station 24 - Yuba County, Winter

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

Site Electrical	Dumpers/Tenders	1	6.00	16	0.38
Site Electrical	Forklifts	1	6.00	89	0.20
Site Electrical	Off-Highway Trucks	1	6.00	250	0.38
Site Electrical	Off-Highway Trucks	1	6.00	402	0.38
Site Electrical	Plate Compactors	1	6.00	8	0.43
Site Electrical	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Lighting	Dumpers/Tenders	1	6.00	16	0.38
Site Lighting	Forklifts	1	6.00	89	0.20
Site Lighting	Off-Highway Trucks	1	6.00	250	0.38
Site Lighting	Off-Highway Trucks	1	6.00	402	0.38
Site Lighting	Plate Compactors	1	6.00	8	0.43
Site Lighting	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wet Well Construction	Cranes	1	1.00	231	0.29
Wet Well Construction	Dumpers/Tenders	1	6.00	16	0.38
Wet Well Construction	Excavators	1	4.00	158	0.38
Wet Well Construction	Forklifts	1	6.00	89	0.20
Wet Well Construction	Off-Highway Trucks	2	6.00	250	0.38
Wet Well Construction	Off-Highway Trucks	1	6.00	402	0.38
Wet Well Construction	Plate Compactors	1	6.00	8	0.43
Wet Well Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wall and Generator	Aerial Lifts	1	8.00	63	0.31
Wall and Generator	Dumpers/Tenders	1	8.00	16	0.38
Wall and Generator	Forklifts	1	8.00	89	0.20
Wall and Generator	Off-Highway Trucks	2	8.00	250	0.38
Wall and Generator	Off-Highway Trucks	1	8.00	402	0.38
Wall and Generator	Plate Compactors	1	8.00	8	0.43
Wall and Generator	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pumps and Piping	Aerial Lifts	1	6.00	63	0.31
Pumps and Piping	Dumpers/Tenders	1	6.00	16	0.38

Lift Station 24 - Yuba County, Winter

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

Pumps and Piping	Excavators	1	6.00	158	0.38
Pumps and Piping	Forklifts	1	6.00	89	0.20
Pumps and Piping	Off-Highway Trucks	2	6.00	250	0.38
Pumps and Piping	Off-Highway Trucks	1	6.00	402	0.38
Pumps and Piping	Plate Compactors	1	6.00	8	0.43
Pumps and Piping	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Pumps and Piping	Welders	1	6.00	46	0.45
Final Grading and Paving	Dumpers/Tenders	1	6.00	16	0.38
Final Grading and Paving	Forklifts	1	6.00	89	0.20
Final Grading and Paving	Graders	1	6.00	187	0.41
Final Grading and Paving	Off-Highway Trucks	1	6.00	250	0.38
Final Grading and Paving	Off-Highway Trucks	1	6.00	402	0.38
Final Grading and Paving	Pavers	1	6.00	130	0.42
Final Grading and Paving	Plate Compactors	1	6.00	8	0.43
Final Grading and Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
PG&E Site Painting	Aerial Lifts	2	6.00	63	0.31
PG&E Site Painting	Dumpers/Tenders	1	3.00	16	0.38
PG&E Site Painting	Forklifts	1	6.00	89	0.20
PG&E Site Painting	Off-Highway Trucks	4	8.00	250	0.38
PG&E Site Painting	Off-Highway Trucks	1	3.00	402	0.38
PG&E Site Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading Rough	11	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Piping Underground	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Electrical	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Lift Station 24 - Yuba County, Winter

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

Site Lighting	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wet Well Construction	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wall and Generator	8	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Pumps and Piping	10	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading and Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PG&E Site Painting	10	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading Rough - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3743	0.0000	6.3743	3.0823	0.0000	3.0823			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905		3,480.669 3	3,480.669 3	1.1102		3,508.423 4
Total	1.9112	17.4364	15.1455	0.0361	6.3743	0.7488	7.1231	3.0823	0.6905	3.7728		3,480.669 3	3,480.669 3	1.1102		3,508.423 4

Lift Station 24 - Yuba County, Winter

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

3.2 Grading Rough - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406
Total	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3743	0.0000	6.3743	3.0823	0.0000	3.0823			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234
Total	1.9112	17.4364	15.1455	0.0361	6.3743	0.7488	7.1231	3.0823	0.6905	3.7728	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234

Lift Station 24 - Yuba County, Winter

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

3.2 Grading Rough - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406
Total	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406

3.3 Piping Underground - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969

Lift Station 24 - Yuba County, Winter

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

3.3 Piping Underground - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618
Total	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969

Lift Station 24 - Yuba County, Winter

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

3.3 Piping Underground - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618
Total	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618

3.4 Site Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271

Lift Station 24 - Yuba County, Winter

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

3.4 Site Electrical - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682
Total	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271

Lift Station 24 - Yuba County, Winter

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

3.4 Site Electrical - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682
Total	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682

3.5 Site Lighting - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271

Lift Station 24 - Yuba County, Winter

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

3.5 Site Lighting - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682
Total	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271

Lift Station 24 - Yuba County, Winter

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

3.5 Site Lighting - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682
Total	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682

3.6 Wet Well Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579		2,868.1660	2,868.1660	0.9121		2,890.9677
Total	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579		2,868.1660	2,868.1660	0.9121		2,890.9677

Lift Station 24 - Yuba County, Winter

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

3.6 Wet Well Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0737	0.0534	0.5773	1.5000e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		154.6819	154.6819	5.5300e-003	5.1400e-003	156.3512
Total	0.0737	0.0534	0.5773	1.5000e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		154.6819	154.6819	5.5300e-003	5.1400e-003	156.3512

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579	0.0000	2,868.1660	2,868.1660	0.9121		2,890.9677
Total	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579	0.0000	2,868.1660	2,868.1660	0.9121		2,890.9677

Lift Station 24 - Yuba County, Winter

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

3.6 Wet Well Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0737	0.0534	0.5773	1.5000e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		154.6819	154.6819	5.5300e-003	5.1400e-003	156.3512
Total	0.0737	0.0534	0.5773	1.5000e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		154.6819	154.6819	5.5300e-003	5.1400e-003	156.3512

3.7 Wall and Generator - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209		3,560.1964	3,560.1964	1.1307		3,588.4639
Total	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209		3,560.1964	3,560.1964	1.1307		3,588.4639

Lift Station 24 - Yuba County, Winter

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

3.7 Wall and Generator - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4100e-003	0.0627	0.0140	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2183	23.2183	8.0000e-005	3.3700e-003	24.2248
Worker	9.6100e-003	6.9600e-003	0.0753	2.0000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		20.1759	20.1759	7.2000e-004	6.7000e-004	20.3936
Total	0.0110	0.0697	0.0893	4.2000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		43.3942	43.3942	8.0000e-004	4.0400e-003	44.6184

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209	0.0000	3,560.1964	3,560.1964	1.1307		3,588.4639
Total	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209	0.0000	3,560.1964	3,560.1964	1.1307		3,588.4639

Lift Station 24 - Yuba County, Winter

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

3.7 Wall and Generator - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4100e-003	0.0627	0.0140	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2183	23.2183	8.0000e-005	3.3700e-003	24.2248
Worker	9.6100e-003	6.9600e-003	0.0753	2.0000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		20.1759	20.1759	7.2000e-004	6.7000e-004	20.3936
Total	0.0110	0.0697	0.0893	4.2000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		43.3942	43.3942	8.0000e-004	4.0400e-003	44.6184

3.8 Pumps and Piping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990		3,200.9546	3,200.9546	0.9853		3,225.5860
Total	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990		3,200.9546	3,200.9546	0.9853		3,225.5860

Lift Station 24 - Yuba County, Winter

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

3.8 Pumps and Piping - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4100e-003	0.0627	0.0140	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2183	23.2183	8.0000e-005	3.3700e-003	24.2248
Worker	9.6100e-003	6.9600e-003	0.0753	2.0000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		20.1759	20.1759	7.2000e-004	6.7000e-004	20.3936
Total	0.0110	0.0697	0.0893	4.2000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		43.3942	43.3942	8.0000e-004	4.0400e-003	44.6184

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990	0.0000	3,200.9546	3,200.9546	0.9853		3,225.5860
Total	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990	0.0000	3,200.9546	3,200.9546	0.9853		3,225.5860

Lift Station 24 - Yuba County, Winter

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

3.8 Pumps and Piping - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4100e-003	0.0627	0.0140	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2183	23.2183	8.0000e-005	3.3700e-003	24.2248
Worker	9.6100e-003	6.9600e-003	0.0753	2.0000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		20.1759	20.1759	7.2000e-004	6.7000e-004	20.3936
Total	0.0110	0.0697	0.0893	4.2000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		43.3942	43.3942	8.0000e-004	4.0400e-003	44.6184

3.9 Final Grading and Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2941	10.9080	10.3093	0.0289		0.4285	0.4285		0.3958	0.3958		2,780.4313	2,780.4313	0.8837		2,802.5237
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2941	10.9080	10.3093	0.0289		0.4285	0.4285		0.3958	0.3958		2,780.4313	2,780.4313	0.8837		2,802.5237

Lift Station 24 - Yuba County, Winter

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

3.9 Final Grading and Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0641	0.0464	0.5020	1.3000e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		134.5060	134.5060	4.8000e-003	4.4700e-003	135.9576
Total	0.0641	0.0464	0.5020	1.3000e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		134.5060	134.5060	4.8000e-003	4.4700e-003	135.9576

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2941	10.9080	10.3093	0.0289		0.4285	0.4285		0.3958	0.3958	0.0000	2,780.4313	2,780.4313	0.8837		2,802.5237
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2941	10.9080	10.3093	0.0289		0.4285	0.4285		0.3958	0.3958	0.0000	2,780.4313	2,780.4313	0.8837		2,802.5237

Lift Station 24 - Yuba County, Winter

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

3.9 Final Grading and Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0641	0.0464	0.5020	1.3000e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		134.5060	134.5060	4.8000e-003	4.4700e-003	135.9576
Total	0.0641	0.0464	0.5020	1.3000e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		134.5060	134.5060	4.8000e-003	4.4700e-003	135.9576

3.10 PG&E Site Painting - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.6930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.7444	12.5015	13.0839	0.0426		0.4917	0.4917		0.4528	0.4528		4,115.1172	4,115.1172	1.3260		4,148.2665
Total	14.4374	12.5015	13.0839	0.0426		0.4917	0.4917		0.4528	0.4528		4,115.1172	4,115.1172	1.3260		4,148.2665

Lift Station 24 - Yuba County, Winter

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

3.10 PG&E Site Painting - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-003	2.3200e-003	0.0251	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	4.0000e-005	2.2200e-003		6.7253	6.7253	2.4000e-004	2.2000e-004	6.7979
Total	3.2000e-003	2.3200e-003	0.0251	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	4.0000e-005	2.2200e-003		6.7253	6.7253	2.4000e-004	2.2000e-004	6.7979

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.6930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.7444	12.5015	13.0839	0.0426		0.4917	0.4917		0.4528	0.4528	0.0000	4,115.1172	4,115.1172	1.3260		4,148.2665
Total	14.4374	12.5015	13.0839	0.0426		0.4917	0.4917		0.4528	0.4528	0.0000	4,115.1172	4,115.1172	1.3260		4,148.2665

Lift Station 24 - Yuba County, Winter

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

3.10 PG&E Site Painting - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-003	2.3200e-003	0.0251	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	4.0000e-005	2.2200e-003		6.7253	6.7253	2.4000e-004	2.2000e-004	6.7979
Total	3.2000e-003	2.3200e-003	0.0251	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	4.0000e-005	2.2200e-003		6.7253	6.7253	2.4000e-004	2.2000e-004	6.7979

3.10 PG&E Site Painting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.6930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092
Total	14.3044	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092

Lift Station 24 - Yuba County, Winter

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

3.10 PG&E Site Painting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295
Total	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.6930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092
Total	14.3044	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092

Lift Station 24 - Yuba County, Winter

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

3.10 PG&E Site Painting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295
Total	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295

Lift Station 24 - Yuba County, Winter

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	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

Lift Station 24 - Yuba County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated 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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1840	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3500e-003	1.3500e-003	0.0000		1.4400e-003
Unmitigated	0.1840	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3500e-003	1.3500e-003	0.0000		1.4400e-003

Lift Station 24 - Yuba County, Winter

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1318					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3500e-003	1.3500e-003	0.0000		1.4400e-003
Total	0.1840	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3500e-003	1.3500e-003	0.0000		1.4400e-003

Lift Station 24 - Yuba County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1318					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3500e-003	1.3500e-003	0.0000		1.4400e-003
Total	0.1840	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3500e-003	1.3500e-003	0.0000		1.4400e-003

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

Lift Station 24 - Yuba County, Winter

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

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	165	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

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)	0.1354	0.3784	0.4913	6.5000e-004		0.0199	0.0199		0.0199	0.0199		69.2599	69.2599	9.7100e-003		69.5027
Total	0.1354	0.3784	0.4913	6.5000e-004		0.0199	0.0199		0.0199	0.0199		69.2599	69.2599	9.7100e-003		69.5027

11.0 Vegetation

Pump Station 25 - Yuba County, Annual

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

**Pump Station 25
Yuba County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.22	1000sqft	0.23	10,220.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Combined phases provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

Pump Station 25 - Yuba County, Annual

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

Trips and VMT -

Grading -

Vehicle Trips - Maintenance trips in Pump Station 1

Energy Use - n/a

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	15.00
tblConstructionPhase	NumDays	100.00	15.00
tblConstructionPhase	NumDays	100.00	60.00
tblConstructionPhase	NumDays	2.00	45.00
tblConstructionPhase	NumDays	5.00	15.00
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6550e-003	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.5660e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.4350e-003	0.00

Pump Station 25 - Yuba County, Annual

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00

Pump Station 25 - Yuba County, Annual

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		PG&E Site Painting

Pump Station 25 - Yuba County, Annual

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

tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Grading Rough

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

tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	7.72	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	200.00	240.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	6.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	1,898,562.50	0.00

2.0 Emissions Summary

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.3319	1.8824	2.0308	5.7200e-003	0.1674	0.0772	0.2445	0.0757	0.0714	0.1471	0.0000	499.2083	499.2083	0.1521	6.8000e-004	503.2124
2025	0.0215	0.0161	0.0191	6.0000e-005	1.0000e-005	6.0000e-004	6.1000e-004	0.0000	5.5000e-004	5.6000e-004	0.0000	5.6088	5.6088	1.8000e-003	0.0000	5.6540
Maximum	0.3319	1.8824	2.0308	5.7200e-003	0.1674	0.0772	0.2445	0.0757	0.0714	0.1471	0.0000	499.2083	499.2083	0.1521	6.8000e-004	503.2124

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.3319	1.8824	2.0308	5.7200e-003	0.1674	0.0772	0.2445	0.0757	0.0714	0.1471	0.0000	499.2077	499.2077	0.1521	6.8000e-004	503.2118
2025	0.0215	0.0161	0.0191	6.0000e-005	1.0000e-005	6.0000e-004	6.1000e-004	0.0000	5.5000e-004	5.6000e-004	0.0000	5.6088	5.6088	1.8000e-003	0.0000	5.6540
Maximum	0.3319	1.8824	2.0308	5.7200e-003	0.1674	0.0772	0.2445	0.0757	0.0714	0.1471	0.0000	499.2077	499.2077	0.1521	6.8000e-004	503.2118

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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)
1	1-1-2024	3-31-2024	0.5967	0.5967
2	4-1-2024	6-30-2024	0.4071	0.4071
3	7-1-2024	9-30-2024	0.4831	0.4831
4	10-1-2024	12-31-2024	0.7261	0.7261
5	1-1-2025	3-31-2025	0.0268	0.0268
		Highest	0.7261	0.7261

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0494	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	0.0000	1.9000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	1.1800e-003	3.3000e-003	3.0100e-003	1.0000e-005		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.5484	0.5484	8.0000e-005	0.0000	0.5503
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	0.0506	3.3000e-003	3.1000e-003	1.0000e-005	0.0000	1.7000e-004	1.7000e-004	0.0000	1.7000e-004	1.7000e-004	0.0000	0.5485	0.5485	8.0000e-005	0.0000	0.5505

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0494	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	0.0000	1.9000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	1.1800e-003	3.3000e-003	3.0100e-003	1.0000e-005		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.5484	0.5484	8.0000e-005	0.0000	0.5503
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	0.0506	3.3000e-003	3.1000e-003	1.0000e-005	0.0000	1.7000e-004	1.7000e-004	0.0000	1.7000e-004	1.7000e-004	0.0000	0.5485	0.5485	8.0000e-005	0.0000	0.5505

	ROG	NOx	CO	SO2	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	Grading Rough	Grading	1/1/2024	3/1/2024	5	45	
2	Piping Underground	Trenching	2/10/2024	6/14/2024	5	90	

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

3	Site Electrical	Trenching	5/4/2024	9/6/2024	5	90
4	Site Lighting	Trenching	7/27/2024	8/16/2024	5	15
5	Wet Well Construction	Trenching	8/10/2024	10/11/2024	5	45
6	Wall and Generator	Building Construction	9/21/2024	10/11/2024	5	15
7	Pumps and Piping	Building Construction	10/5/2024	12/27/2024	5	60
8	Final Grading and Paving	Paving	11/30/2024	12/20/2024	5	15
9	PG&E Site Painting	Architectural Coating	12/14/2024	1/3/2025	5	15

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 40.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 12,323; Non-Residential Indoor: 4,108; Striped Parking Area: 0
 (Architectural Coating – sqft)

Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading Rough	Dumpers/Tenders	1	6.00	16	0.38
Grading Rough	Excavators	1	6.00	158	0.38
Grading Rough	Forklifts	1	6.00	89	0.20
Grading Rough	Graders	1	6.00	187	0.41
Grading Rough	Off-Highway Trucks	2	6.00	250	0.38
Grading Rough	Plate Compactors	1	6.00	8	0.43
Grading Rough	Rollers	1	6.00	80	0.38
Grading Rough	Rubber Tired Dozers	1	6.00	247	0.40
Grading Rough	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Piping Underground	Dumpers/Tenders	1	6.00	16	0.38
Piping Underground	Forklifts	1	6.00	89	0.20
Piping Underground	Off-Highway Trucks	2	6.00	250	0.38
Piping Underground	Off-Highway Trucks	1	6.00	402	0.38

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

Piping Underground	Plate Compactors	1	6.00	8	0.43
Piping Underground	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Electrical	Dumpers/Tenders	1	6.00	16	0.38
Site Electrical	Forklifts	1	6.00	89	0.20
Site Electrical	Off-Highway Trucks	1	6.00	250	0.38
Site Electrical	Off-Highway Trucks	1	6.00	402	0.38
Site Electrical	Plate Compactors	1	6.00	8	0.43
Site Electrical	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Lighting	Dumpers/Tenders	1	6.00	16	0.38
Site Lighting	Forklifts	1	6.00	89	0.20
Site Lighting	Off-Highway Trucks	1	6.00	250	0.38
Site Lighting	Off-Highway Trucks	1	6.00	402	0.38
Site Lighting	Plate Compactors	1	6.00	8	0.43
Site Lighting	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wet Well Construction	Cranes	1	1.00	231	0.29
Wet Well Construction	Dumpers/Tenders	1	6.00	16	0.38
Wet Well Construction	Excavators	1	4.00	158	0.38
Wet Well Construction	Forklifts	1	6.00	89	0.20
Wet Well Construction	Off-Highway Trucks	2	6.00	250	0.38
Wet Well Construction	Off-Highway Trucks	1	6.00	402	0.38
Wet Well Construction	Plate Compactors	1	6.00	8	0.43
Wet Well Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wall and Generator	Aerial Lifts	1	8.00	63	0.31
Wall and Generator	Dumpers/Tenders	1	8.00	16	0.38
Wall and Generator	Forklifts	1	8.00	89	0.20
Wall and Generator	Off-Highway Trucks	2	8.00	250	0.38
Wall and Generator	Off-Highway Trucks	1	8.00	402	0.38
Wall and Generator	Plate Compactors	1	8.00	8	0.43
Wall and Generator	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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Pumps and Piping	Aerial Lifts	1	6.00	63	0.31
Pumps and Piping	Dumpers/Tenders	1	6.00	16	0.38
Pumps and Piping	Excavators	1	6.00	158	0.38
Pumps and Piping	Forklifts	1	6.00	89	0.20
Pumps and Piping	Off-Highway Trucks	2	6.00	250	0.38
Pumps and Piping	Off-Highway Trucks	1	6.00	402	0.38
Pumps and Piping	Plate Compactors	1	6.00	8	0.43
Pumps and Piping	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Pumps and Piping	Welders	1	6.00	46	0.45
Final Grading and Paving	Dumpers/Tenders	1	6.00	16	0.38
Final Grading and Paving	Forklifts	1	6.00	89	0.20
Final Grading and Paving	Graders	1	6.00	187	0.41
Final Grading and Paving	Off-Highway Trucks	1	6.00	250	0.38
Final Grading and Paving	Off-Highway Trucks	1	6.00	402	0.38
Final Grading and Paving	Pavers	1	6.00	130	0.42
Final Grading and Paving	Plate Compactors	1	6.00	8	0.43
Final Grading and Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
PG&E Site Painting	Aerial Lifts	2	6.00	63	0.31
PG&E Site Painting	Dumpers/Tenders	1	3.00	16	0.38
PG&E Site Painting	Forklifts	1	6.00	89	0.20
PG&E Site Painting	Off-Highway Trucks	4	8.00	250	0.38
PG&E Site Painting	Off-Highway Trucks	1	3.00	402	0.38
PG&E Site Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading Rough	11	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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Piping Underground	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Electrical	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Lighting	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wet Well Construction	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wall and Generator	8	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Pumps and Piping	10	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading and Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PG&E Site Painting	10	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading Rough - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1434	0.0000	0.1434	0.0694	0.0000	0.0694	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0430	0.3923	0.3408	8.1000e-004		0.0169	0.0169		0.0155	0.0155	0.0000	71.0462	71.0462	0.0227	0.0000	71.6127
Total	0.0430	0.3923	0.3408	8.1000e-004	0.1434	0.0169	0.1603	0.0694	0.0155	0.0849	0.0000	71.0462	71.0462	0.0227	0.0000	71.6127

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

3.2 Grading Rough - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9500e-003	1.3100e-003	0.0156	4.0000e-005	4.9500e-003	2.0000e-005	4.9800e-003	1.3200e-003	2.0000e-005	1.3400e-003	0.0000	3.9431	3.9431	1.3000e-004	1.2000e-004	3.9815
Total	1.9500e-003	1.3100e-003	0.0156	4.0000e-005	4.9500e-003	2.0000e-005	4.9800e-003	1.3200e-003	2.0000e-005	1.3400e-003	0.0000	3.9431	3.9431	1.3000e-004	1.2000e-004	3.9815

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1434	0.0000	0.1434	0.0694	0.0000	0.0694	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0430	0.3923	0.3408	8.1000e-004		0.0169	0.0169		0.0155	0.0155	0.0000	71.0461	71.0461	0.0227	0.0000	71.6127
Total	0.0430	0.3923	0.3408	8.1000e-004	0.1434	0.0169	0.1603	0.0694	0.0155	0.0849	0.0000	71.0461	71.0461	0.0227	0.0000	71.6127

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3.2 Grading Rough - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9500e-003	1.3100e-003	0.0156	4.0000e-005	4.9500e-003	2.0000e-005	4.9800e-003	1.3200e-003	2.0000e-005	1.3400e-003	0.0000	3.9431	3.9431	1.3000e-004	1.2000e-004	3.9815
Total	1.9500e-003	1.3100e-003	0.0156	4.0000e-005	4.9500e-003	2.0000e-005	4.9800e-003	1.3200e-003	2.0000e-005	1.3400e-003	0.0000	3.9431	3.9431	1.3000e-004	1.2000e-004	3.9815

3.3 Piping Underground - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0515	0.3685	0.3816	1.1900e-003		0.0151	0.0151		0.0139	0.0139	0.0000	104.0253	104.0253	0.0330	0.0000	104.8505
Total	0.0515	0.3685	0.3816	1.1900e-003		0.0151	0.0151		0.0139	0.0139	0.0000	104.0253	104.0253	0.0330	0.0000	104.8505

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

3.3 Piping Underground - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5100e-003	1.6800e-003	0.0201	5.0000e-005	6.3700e-003	3.0000e-005	6.4000e-003	1.6900e-003	3.0000e-005	1.7200e-003	0.0000	5.0697	5.0697	1.6000e-004	1.5000e-004	5.1191
Total	2.5100e-003	1.6800e-003	0.0201	5.0000e-005	6.3700e-003	3.0000e-005	6.4000e-003	1.6900e-003	3.0000e-005	1.7200e-003	0.0000	5.0697	5.0697	1.6000e-004	1.5000e-004	5.1191

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0515	0.3685	0.3816	1.1900e-003		0.0151	0.0151		0.0139	0.0139	0.0000	104.0251	104.0251	0.0330	0.0000	104.8504
Total	0.0515	0.3685	0.3816	1.1900e-003		0.0151	0.0151		0.0139	0.0139	0.0000	104.0251	104.0251	0.0330	0.0000	104.8504

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

3.3 Piping Underground - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5100e-003	1.6800e-003	0.0201	5.0000e-005	6.3700e-003	3.0000e-005	6.4000e-003	1.6900e-003	3.0000e-005	1.7200e-003	0.0000	5.0697	5.0697	1.6000e-004	1.5000e-004	5.1191
Total	2.5100e-003	1.6800e-003	0.0201	5.0000e-005	6.3700e-003	3.0000e-005	6.4000e-003	1.6900e-003	3.0000e-005	1.7200e-003	0.0000	5.0697	5.0697	1.6000e-004	1.5000e-004	5.1191

3.4 Site Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0401	0.2918	0.3104	9.2000e-004		0.0120	0.0120		0.0111	0.0111	0.0000	79.9598	79.9598	0.0252	0.0000	80.5904
Total	0.0401	0.2918	0.3104	9.2000e-004		0.0120	0.0120		0.0111	0.0111	0.0000	79.9598	79.9598	0.0252	0.0000	80.5904

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

3.4 Site Electrical - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0900e-003	1.4000e-003	0.0167	5.0000e-005	5.3100e-003	3.0000e-005	5.3300e-003	1.4100e-003	2.0000e-005	1.4400e-003	0.0000	4.2248	4.2248	1.3000e-004	1.3000e-004	4.2659
Total	2.0900e-003	1.4000e-003	0.0167	5.0000e-005	5.3100e-003	3.0000e-005	5.3300e-003	1.4100e-003	2.0000e-005	1.4400e-003	0.0000	4.2248	4.2248	1.3000e-004	1.3000e-004	4.2659

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0401	0.2918	0.3104	9.2000e-004		0.0120	0.0120		0.0111	0.0111	0.0000	79.9597	79.9597	0.0252	0.0000	80.5903
Total	0.0401	0.2918	0.3104	9.2000e-004		0.0120	0.0120		0.0111	0.0111	0.0000	79.9597	79.9597	0.0252	0.0000	80.5903

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

3.4 Site Electrical - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0900e-003	1.4000e-003	0.0167	5.0000e-005	5.3100e-003	3.0000e-005	5.3300e-003	1.4100e-003	2.0000e-005	1.4400e-003	0.0000	4.2248	4.2248	1.3000e-004	1.3000e-004	4.2659
Total	2.0900e-003	1.4000e-003	0.0167	5.0000e-005	5.3100e-003	3.0000e-005	5.3300e-003	1.4100e-003	2.0000e-005	1.4400e-003	0.0000	4.2248	4.2248	1.3000e-004	1.3000e-004	4.2659

3.5 Site Lighting - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.6800e-003	0.0486	0.0517	1.5000e-004		2.0000e-003	2.0000e-003		1.8500e-003	1.8500e-003	0.0000	13.3266	13.3266	4.2000e-003	0.0000	13.4317
Total	6.6800e-003	0.0486	0.0517	1.5000e-004		2.0000e-003	2.0000e-003		1.8500e-003	1.8500e-003	0.0000	13.3266	13.3266	4.2000e-003	0.0000	13.4317

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

3.5 Site Lighting - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.3000e-004	2.7900e-003	1.0000e-005	8.8000e-004	0.0000	8.9000e-004	2.4000e-004	0.0000	2.4000e-004	0.0000	0.7041	0.7041	2.0000e-005	2.0000e-005	0.7110
Total	3.5000e-004	2.3000e-004	2.7900e-003	1.0000e-005	8.8000e-004	0.0000	8.9000e-004	2.4000e-004	0.0000	2.4000e-004	0.0000	0.7041	0.7041	2.0000e-005	2.0000e-005	0.7110

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.6800e-003	0.0486	0.0517	1.5000e-004		2.0000e-003	2.0000e-003		1.8500e-003	1.8500e-003	0.0000	13.3266	13.3266	4.2000e-003	0.0000	13.4317
Total	6.6800e-003	0.0486	0.0517	1.5000e-004		2.0000e-003	2.0000e-003		1.8500e-003	1.8500e-003	0.0000	13.3266	13.3266	4.2000e-003	0.0000	13.4317

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

3.5 Site Lighting - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.3000e-004	2.7900e-003	1.0000e-005	8.8000e-004	0.0000	8.9000e-004	2.4000e-004	0.0000	2.4000e-004	0.0000	0.7041	0.7041	2.0000e-005	2.0000e-005	0.7110
Total	3.5000e-004	2.3000e-004	2.7900e-003	1.0000e-005	8.8000e-004	0.0000	8.9000e-004	2.4000e-004	0.0000	2.4000e-004	0.0000	0.7041	0.7041	2.0000e-005	2.0000e-005	0.7110

3.6 Wet Well Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0287	0.2099	0.2325	6.7000e-004		8.7100e-003	8.7100e-003		8.0500e-003	8.0500e-003	0.0000	58.5440	58.5440	0.0186	0.0000	59.0094
Total	0.0287	0.2099	0.2325	6.7000e-004		8.7100e-003	8.7100e-003		8.0500e-003	8.0500e-003	0.0000	58.5440	58.5440	0.0186	0.0000	59.0094

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3.6 Wet Well Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6100e-003	1.0700e-003	0.0128	3.0000e-005	4.0700e-003	2.0000e-005	4.0900e-003	1.0800e-003	2.0000e-005	1.1000e-003	0.0000	3.2390	3.2390	1.0000e-004	1.0000e-004	3.2705
Total	1.6100e-003	1.0700e-003	0.0128	3.0000e-005	4.0700e-003	2.0000e-005	4.0900e-003	1.0800e-003	2.0000e-005	1.1000e-003	0.0000	3.2390	3.2390	1.0000e-004	1.0000e-004	3.2705

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0287	0.2099	0.2325	6.7000e-004		8.7100e-003	8.7100e-003		8.0500e-003	8.0500e-003	0.0000	58.5440	58.5440	0.0186	0.0000	59.0094
Total	0.0287	0.2099	0.2325	6.7000e-004		8.7100e-003	8.7100e-003		8.0500e-003	8.0500e-003	0.0000	58.5440	58.5440	0.0186	0.0000	59.0094

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

3.6 Wet Well Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6100e-003	1.0700e-003	0.0128	3.0000e-005	4.0700e-003	2.0000e-005	4.0900e-003	1.0800e-003	2.0000e-005	1.1000e-003	0.0000	3.2390	3.2390	1.0000e-004	1.0000e-004	3.2705
Total	1.6100e-003	1.0700e-003	0.0128	3.0000e-005	4.0700e-003	2.0000e-005	4.0900e-003	1.0800e-003	2.0000e-005	1.1000e-003	0.0000	3.2390	3.2390	1.0000e-004	1.0000e-004	3.2705

3.7 Wall and Generator - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0117	0.0858	0.0930	2.8000e-004		3.4100e-003	3.4100e-003		3.1600e-003	3.1600e-003	0.0000	24.2232	24.2232	7.6900e-003	0.0000	24.4155
Total	0.0117	0.0858	0.0930	2.8000e-004		3.4100e-003	3.4100e-003		3.1600e-003	3.1600e-003	0.0000	24.2232	24.2232	7.6900e-003	0.0000	24.4155

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3.7 Wall and Generator - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	4.6000e-004	1.0000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.1579	0.1579	0.0000	2.0000e-005	0.1647
Worker	7.0000e-005	5.0000e-005	5.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1408	0.1408	0.0000	0.0000	0.1422
Total	8.0000e-005	5.1000e-004	6.6000e-004	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	7.0000e-005	0.0000	0.2987	0.2987	0.0000	2.0000e-005	0.3069

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0117	0.0858	0.0930	2.8000e-004		3.4100e-003	3.4100e-003		3.1600e-003	3.1600e-003	0.0000	24.2231	24.2231	7.6900e-003	0.0000	24.4155
Total	0.0117	0.0858	0.0930	2.8000e-004		3.4100e-003	3.4100e-003		3.1600e-003	3.1600e-003	0.0000	24.2231	24.2231	7.6900e-003	0.0000	24.4155

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3.7 Wall and Generator - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	4.6000e-004	1.0000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.1579	0.1579	0.0000	2.0000e-005	0.1647
Worker	7.0000e-005	5.0000e-005	5.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1408	0.1408	0.0000	0.0000	0.1422
Total	8.0000e-005	5.1000e-004	6.6000e-004	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	7.0000e-005	0.0000	0.2987	0.2987	0.0000	2.0000e-005	0.3069

3.8 Pumps and Piping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0445	0.3201	0.3899	1.0100e-003		0.0129	0.0129		0.0120	0.0120	0.0000	87.1157	87.1157	0.0268	0.0000	87.7861
Total	0.0445	0.3201	0.3899	1.0100e-003		0.0129	0.0129		0.0120	0.0120	0.0000	87.1157	87.1157	0.0268	0.0000	87.7861

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3.8 Pumps and Piping - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	1.8400e-003	4.1000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6316	0.6316	0.0000	9.0000e-005	0.6590
Worker	2.8000e-004	1.9000e-004	2.2300e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5633	0.5633	2.0000e-005	2.0000e-005	0.5688
Total	3.2000e-004	2.0300e-003	2.6400e-003	2.0000e-005	9.1000e-004	1.0000e-005	9.2000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	1.1949	1.1949	2.0000e-005	1.1000e-004	1.2278

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0445	0.3201	0.3899	1.0100e-003		0.0129	0.0129		0.0120	0.0120	0.0000	87.1156	87.1156	0.0268	0.0000	87.7860
Total	0.0445	0.3201	0.3899	1.0100e-003		0.0129	0.0129		0.0120	0.0120	0.0000	87.1156	87.1156	0.0268	0.0000	87.7860

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

3.8 Pumps and Piping - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	1.8400e-003	4.1000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6316	0.6316	0.0000	9.0000e-005	0.6590
Worker	2.8000e-004	1.9000e-004	2.2300e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5633	0.5633	2.0000e-005	2.0000e-005	0.5688
Total	3.2000e-004	2.0300e-003	2.6400e-003	2.0000e-005	9.1000e-004	1.0000e-005	9.2000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	1.1949	1.1949	2.0000e-005	1.1000e-004	1.2278

3.9 Final Grading and Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.7100e-003	0.0818	0.0773	2.2000e-004		3.2100e-003	3.2100e-003		2.9700e-003	2.9700e-003	0.0000	18.9177	18.9177	6.0100e-003	0.0000	19.0681
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.7100e-003	0.0818	0.0773	2.2000e-004		3.2100e-003	3.2100e-003		2.9700e-003	2.9700e-003	0.0000	18.9177	18.9177	6.0100e-003	0.0000	19.0681

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3.9 Final Grading and Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	3.1000e-004	3.7200e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9388	0.9388	3.0000e-005	3.0000e-005	0.9480
Total	4.7000e-004	3.1000e-004	3.7200e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9388	0.9388	3.0000e-005	3.0000e-005	0.9480

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	9.7100e-003	0.0818	0.0773	2.2000e-004		3.2100e-003	3.2100e-003		2.9700e-003	2.9700e-003	0.0000	18.9177	18.9177	6.0100e-003	0.0000	19.0680
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.7100e-003	0.0818	0.0773	2.2000e-004		3.2100e-003	3.2100e-003		2.9700e-003	2.9700e-003	0.0000	18.9177	18.9177	6.0100e-003	0.0000	19.0680

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3.9 Final Grading and Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	3.1000e-004	3.7200e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9388	0.9388	3.0000e-005	3.0000e-005	0.9480
Total	4.7000e-004	3.1000e-004	3.7200e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9388	0.9388	3.0000e-005	3.0000e-005	0.9480

3.10 PG&E Site Painting - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0762					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0105	0.0750	0.0785	2.6000e-004		2.9500e-003	2.9500e-003		2.7200e-003	2.7200e-003	0.0000	22.3990	22.3990	7.2200e-003	0.0000	22.5795
Total	0.0866	0.0750	0.0785	2.6000e-004		2.9500e-003	2.9500e-003		2.7200e-003	2.7200e-003	0.0000	22.3990	22.3990	7.2200e-003	0.0000	22.5795

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

3.10 PG&E Site Painting - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.5000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0376	0.0376	0.0000	0.0000	0.0379
Total	2.0000e-005	1.0000e-005	1.5000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0376	0.0376	0.0000	0.0000	0.0379

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0762					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0105	0.0750	0.0785	2.6000e-004		2.9500e-003	2.9500e-003		2.7200e-003	2.7200e-003	0.0000	22.3990	22.3990	7.2200e-003	0.0000	22.5794
Total	0.0866	0.0750	0.0785	2.6000e-004		2.9500e-003	2.9500e-003		2.7200e-003	2.7200e-003	0.0000	22.3990	22.3990	7.2200e-003	0.0000	22.5794

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3.10 PG&E Site Painting - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.5000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0376	0.0376	0.0000	0.0000	0.0379
Total	2.0000e-005	1.0000e-005	1.5000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0376	0.0376	0.0000	0.0000	0.0379

3.10 PG&E Site Painting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0190					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4200e-003	0.0161	0.0191	6.0000e-005		6.0000e-004	6.0000e-004		5.5000e-004	5.5000e-004	0.0000	5.5997	5.5997	1.8000e-003	0.0000	5.6448
Total	0.0215	0.0161	0.0191	6.0000e-005		6.0000e-004	6.0000e-004		5.5000e-004	5.5000e-004	0.0000	5.5997	5.5997	1.8000e-003	0.0000	5.6448

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3.10 PG&E Site Painting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	9.1600e-003	9.1600e-003	0.0000	0.0000	9.2400e-003
Total	0.0000	0.0000	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	9.1600e-003	9.1600e-003	0.0000	0.0000	9.2400e-003

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0190					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4200e-003	0.0161	0.0191	6.0000e-005		6.0000e-004	6.0000e-004		5.5000e-004	5.5000e-004	0.0000	5.5997	5.5997	1.8000e-003	0.0000	5.6448
Total	0.0215	0.0161	0.0191	6.0000e-005		6.0000e-004	6.0000e-004		5.5000e-004	5.5000e-004	0.0000	5.5997	5.5997	1.8000e-003	0.0000	5.6448

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3.10 PG&E Site Painting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000
Worker	0.0000	0.0000	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	9.1600e-003	9.1600e-003	0.0000	0.0000	0.0000	9.2400e-003
Total	0.0000	0.0000	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	9.1600e-003	9.1600e-003	0.0000	0.0000	0.0000	9.2400e-003

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5.3 Energy by Land Use - Electricity

Unmitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000

Mitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0494	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	0.0000	1.9000e-004
Unmitigated	0.0494	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	0.0000	1.9000e-004

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	9.5200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0399					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	0.0000	1.9000e-004
Total	0.0494	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	0.0000	1.9000e-004

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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	9.5200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0399					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	0.0000	1.9000e-004
Total	0.0494	0.0000	9.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	0.0000	1.9000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	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			
Unrefrigerated 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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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

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

Mitigated

Waste Disposed	Land Use	Unrefrigerated Warehouse-No Rail	Total
Total CO2	tons	0	0.0000
CH4	MT/yr	0.0000	0.0000
N2O		0.0000	0.0000
CO2e		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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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	240	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 (175 - 300 HP)	1.1800e-003	3.3000e-003	3.0100e-003	1.0000e-005		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.5484	0.5484	8.0000e-005	0.0000	0.5503
Total	1.1800e-003	3.3000e-003	3.0100e-003	1.0000e-005		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.5484	0.5484	8.0000e-005	0.0000	0.5503

11.0 Vegetation

Pump Station 25 - Yuba County, Summer

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

**Pump Station 25
Yuba County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.22	1000sqft	0.23	10,220.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Combined phases provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

Pump Station 25 - Yuba County, Summer

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

Trips and VMT -

Grading -

Vehicle Trips - Maintenance trips in Pump Station 1

Energy Use - n/a

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	15.00
tblConstructionPhase	NumDays	100.00	15.00
tblConstructionPhase	NumDays	100.00	60.00
tblConstructionPhase	NumDays	2.00	45.00
tblConstructionPhase	NumDays	5.00	15.00
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6550e-003	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.5660e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.4350e-003	0.00

Pump Station 25 - Yuba County, Summer

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00

Pump Station 25 - Yuba County, Summer

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		PG&E Site Painting

Pump Station 25 - Yuba County, Summer

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

tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Grading Rough

Pump Station 25 - Yuba County, Summer

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

tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	7.72	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	200.00	240.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	6.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	1,898,562.50	0.00

2.0 Emissions Summary

Pump Station 25 - Yuba County, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	17.3031	34.1829	37.0936	0.1070	6.7522	1.3502	7.8373	3.1825	1.2488	4.1840	0.0000	10,301.2799	10,301.2799	3.2000	0.0123	10,383.6593
2025	14.3078	10.7114	12.7655	0.0426	8.2100e-003	0.4007	0.4089	2.1800e-003	0.3692	0.3714	0.0000	4,122.4404	4,122.4404	1.3262	1.8000e-004	4,155.6470
Maximum	17.3031	34.1829	37.0936	0.1070	6.7522	1.3502	7.8373	3.1825	1.2488	4.1840	0.0000	10,301.2799	10,301.2799	3.2000	0.0123	10,383.6593

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	17.3031	34.1829	37.0936	0.1070	6.7522	1.3502	7.8373	3.1825	1.2488	4.1840	0.0000	10,301.2799	10,301.2799	3.2000	0.0123	10,383.6592
2025	14.3078	10.7114	12.7655	0.0426	8.2100e-003	0.4007	0.4089	2.1800e-003	0.3692	0.3714	0.0000	4,122.4404	4,122.4404	1.3262	1.8000e-004	4,155.6470
Maximum	17.3031	34.1829	37.0936	0.1070	6.7522	1.3502	7.8373	3.1825	1.2488	4.1840	0.0000	10,301.2799	10,301.2799	3.2000	0.0123	10,383.6592

Pump Station 25 - Yuba County, Summer

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

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

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	0.2710	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2400e-003	2.2400e-003	1.0000e-005		2.3800e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.1969	0.5504	0.5021	9.5000e-004		0.0290	0.0290		0.0290	0.0290		100.7417	100.7417	0.0141		101.0948
Total	0.4679	0.5504	0.5032	9.5000e-004	0.0000	0.0290	0.0290	0.0000	0.0290	0.0290		100.7439	100.7439	0.0141	0.0000	101.0972

Pump Station 25 - Yuba County, Summer

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2710	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2400e-003	2.2400e-003	1.0000e-005		2.3800e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.1969	0.5504	0.5021	9.5000e-004		0.0290	0.0290		0.0290	0.0290		100.7417	100.7417	0.0141		101.0948
Total	0.4679	0.5504	0.5032	9.5000e-004	0.0000	0.0290	0.0290	0.0000	0.0290	0.0290		100.7439	100.7439	0.0141	0.0000	101.0972

	ROG	NOx	CO	SO2	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	Grading Rough	Grading	1/1/2024	3/1/2024	5	45	
2	Piping Underground	Trenching	2/10/2024	6/14/2024	5	90	
3	Site Electrical	Trenching	5/4/2024	9/6/2024	5	90	
4	Site Lighting	Trenching	7/27/2024	8/16/2024	5	15	

Pump Station 25 - Yuba County, Summer

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

5	Wet Well Construction	Trenching	8/10/2024	10/11/2024	5	45
6	Wall and Generator	Building Construction	9/21/2024	10/11/2024	5	15
7	Pumps and Piping	Building Construction	10/5/2024	12/27/2024	5	60
8	Final Grading and Paving	Paving	11/30/2024	12/20/2024	5	15
9	PG&E Site Painting	Architectural Coating	12/14/2024	1/3/2025	5	15

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 40.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 12,323; Non-Residential Outdoor: 4,108; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading Rough	Dumpers/Tenders	1	6.00	16	0.38
Grading Rough	Excavators	1	6.00	158	0.38
Grading Rough	Forklifts	1	6.00	89	0.20
Grading Rough	Graders	1	6.00	187	0.41
Grading Rough	Off-Highway Trucks	2	6.00	250	0.38
Grading Rough	Plate Compactors	1	6.00	8	0.43
Grading Rough	Rollers	1	6.00	80	0.38
Grading Rough	Rubber Tired Dozers	1	6.00	247	0.40
Grading Rough	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Piping Underground	Dumpers/Tenders	1	6.00	16	0.38
Piping Underground	Forklifts	1	6.00	89	0.20
Piping Underground	Off-Highway Trucks	2	6.00	250	0.38
Piping Underground	Off-Highway Trucks	1	6.00	402	0.38
Piping Underground	Plate Compactors	1	6.00	8	0.43
Piping Underground	Tractors/Loaders/Backhoes	1	6.00	97	0.37

Pump Station 25 - Yuba County, Summer

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

Site Electrical	Dumpers/Tenders	1	6.00	16	0.38
Site Electrical	Forklifts	1	6.00	89	0.20
Site Electrical	Off-Highway Trucks	1	6.00	250	0.38
Site Electrical	Off-Highway Trucks	1	6.00	402	0.38
Site Electrical	Plate Compactors	1	6.00	8	0.43
Site Electrical	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Lighting	Dumpers/Tenders	1	6.00	16	0.38
Site Lighting	Forklifts	1	6.00	89	0.20
Site Lighting	Off-Highway Trucks	1	6.00	250	0.38
Site Lighting	Off-Highway Trucks	1	6.00	402	0.38
Site Lighting	Plate Compactors	1	6.00	8	0.43
Site Lighting	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wet Well Construction	Cranes	1	1.00	231	0.29
Wet Well Construction	Dumpers/Tenders	1	6.00	16	0.38
Wet Well Construction	Excavators	1	4.00	158	0.38
Wet Well Construction	Forklifts	1	6.00	89	0.20
Wet Well Construction	Off-Highway Trucks	2	6.00	250	0.38
Wet Well Construction	Off-Highway Trucks	1	6.00	402	0.38
Wet Well Construction	Plate Compactors	1	6.00	8	0.43
Wet Well Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wall and Generator	Aerial Lifts	1	8.00	63	0.31
Wall and Generator	Dumpers/Tenders	1	8.00	16	0.38
Wall and Generator	Forklifts	1	8.00	89	0.20
Wall and Generator	Off-Highway Trucks	2	8.00	250	0.38
Wall and Generator	Off-Highway Trucks	1	8.00	402	0.38
Wall and Generator	Plate Compactors	1	8.00	8	0.43
Wall and Generator	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pumps and Piping	Aerial Lifts	1	6.00	63	0.31
Pumps and Piping	Dumpers/Tenders	1	6.00	16	0.38

Pump Station 25 - Yuba County, Summer

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

Pumps and Piping	Excavators	1	6.00	158	0.38
Pumps and Piping	Forklifts	1	6.00	89	0.20
Pumps and Piping	Off-Highway Trucks	2	6.00	250	0.38
Pumps and Piping	Off-Highway Trucks	1	6.00	402	0.38
Pumps and Piping	Plate Compactors	1	6.00	8	0.43
Pumps and Piping	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Pumps and Piping	Welders	1	6.00	46	0.45
Final Grading and Paving	Dumpers/Tenders	1	6.00	16	0.38
Final Grading and Paving	Forklifts	1	6.00	89	0.20
Final Grading and Paving	Graders	1	6.00	187	0.41
Final Grading and Paving	Off-Highway Trucks	1	6.00	250	0.38
Final Grading and Paving	Off-Highway Trucks	1	6.00	402	0.38
Final Grading and Paving	Pavers	1	6.00	130	0.42
Final Grading and Paving	Plate Compactors	1	6.00	8	0.43
Final Grading and Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
PG&E Site Painting	Aerial Lifts	2	6.00	63	0.31
PG&E Site Painting	Dumpers/Tenders	1	3.00	16	0.38
PG&E Site Painting	Forklifts	1	6.00	89	0.20
PG&E Site Painting	Off-Highway Trucks	4	8.00	250	0.38
PG&E Site Painting	Off-Highway Trucks	1	3.00	402	0.38
PG&E Site Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading Rough	11	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Piping Underground	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Electrical	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Pump Station 25 - Yuba County, Summer

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

Site Lighting	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wet Well Construction	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wall and Generator	8	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Pumps and Piping	10	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading and Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PG&E Site Painting	10	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading Rough - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3743	0.0000	6.3743	3.0823	0.0000	3.0823			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905		3,480.669 3	3,480.669 3	1.1102		3,508.423 4
Total	1.9112	17.4364	15.1455	0.0361	6.3743	0.7488	7.1231	3.0823	0.6905	3.7728		3,480.669 3	3,480.669 3	1.1102		3,508.423 4

Pump Station 25 - Yuba County, Summer

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

3.2 Grading Rough - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915
Total	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3743	0.0000	6.3743	3.0823	0.0000	3.0823			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234
Total	1.9112	17.4364	15.1455	0.0361	6.3743	0.7488	7.1231	3.0823	0.6905	3.7728	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234

Pump Station 25 - Yuba County, Summer

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

3.2 Grading Rough - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915
Total	0.1026	0.0521	0.8066	2.0500e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		211.8391	211.8391	5.8000e-003	5.3900e-003	213.5915

3.3 Piping Underground - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969

Pump Station 25 - Yuba County, Summer

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

3.3 Piping Underground - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089
Total	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969

Pump Station 25 - Yuba County, Summer

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

3.3 Piping Underground - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089
Total	0.0659	0.0335	0.5185	1.3200e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		136.1823	136.1823	3.7300e-003	3.4700e-003	137.3089

3.4 Site Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271

Pump Station 25 - Yuba County, Summer

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

3.4 Site Electrical - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240
Total	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271

Pump Station 25 - Yuba County, Summer

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

3.4 Site Electrical - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240
Total	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240

3.5 Site Lighting - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271

Pump Station 25 - Yuba County, Summer

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

3.5 Site Lighting - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240
Total	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271

Pump Station 25 - Yuba County, Summer

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

3.5 Site Lighting - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240
Total	0.0550	0.0279	0.4321	1.1000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.4852	113.4852	3.1100e-003	2.8900e-003	114.4240

3.6 Wet Well Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579		2,868.1660	2,868.1660	0.9121		2,890.9677
Total	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579		2,868.1660	2,868.1660	0.9121		2,890.9677

Pump Station 25 - Yuba County, Summer

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

3.6 Wet Well Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0843	0.0428	0.6626	1.6900e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		174.0107	174.0107	4.7600e-003	4.4300e-003	175.4502
Total	0.0843	0.0428	0.6626	1.6900e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		174.0107	174.0107	4.7600e-003	4.4300e-003	175.4502

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579	0.0000	2,868.1660	2,868.1660	0.9121		2,890.9677
Total	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579	0.0000	2,868.1660	2,868.1660	0.9121		2,890.9677

Pump Station 25 - Yuba County, Summer

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

3.6 Wet Well Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0843	0.0428	0.6626	1.6900e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		174.0107	174.0107	4.7600e-003	4.4300e-003	175.4502
Total	0.0843	0.0428	0.6626	1.6900e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		174.0107	174.0107	4.7600e-003	4.4300e-003	175.4502

3.7 Wall and Generator - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209		3,560.1964	3,560.1964	1.1307		3,588.4639
Total	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209		3,560.1964	3,560.1964	1.1307		3,588.4639

Pump Station 25 - Yuba County, Summer

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

3.7 Wall and Generator - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4500e-003	0.0582	0.0135	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2005	23.2005	8.0000e-005	3.3600e-003	24.2047
Worker	0.0110	5.5800e-003	0.0864	2.2000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		22.6970	22.6970	6.2000e-004	5.8000e-004	22.8848
Total	0.0124	0.0638	0.0999	4.4000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		45.8975	45.8975	7.0000e-004	3.9400e-003	47.0895

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209	0.0000	3,560.1964	3,560.1964	1.1307		3,588.4639
Total	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209	0.0000	3,560.1964	3,560.1964	1.1307		3,588.4639

Pump Station 25 - Yuba County, Summer

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

3.7 Wall and Generator - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4500e-003	0.0582	0.0135	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2005	23.2005	8.0000e-005	3.3600e-003	24.2047
Worker	0.0110	5.5800e-003	0.0864	2.2000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		22.6970	22.6970	6.2000e-004	5.8000e-004	22.8848
Total	0.0124	0.0638	0.0999	4.4000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		45.8975	45.8975	7.0000e-004	3.9400e-003	47.0895

3.8 Pumps and Piping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990		3,200.9546	3,200.9546	0.9853		3,225.5860
Total	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990		3,200.9546	3,200.9546	0.9853		3,225.5860

Pump Station 25 - Yuba County, Summer

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

3.8 Pumps and Piping - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4500e-003	0.0582	0.0135	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2005	23.2005	8.0000e-005	3.3600e-003	24.2047
Worker	0.0110	5.5800e-003	0.0864	2.2000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		22.6970	22.6970	6.2000e-004	5.8000e-004	22.8848
Total	0.0124	0.0638	0.0999	4.4000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		45.8975	45.8975	7.0000e-004	3.9400e-003	47.0895

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990	0.0000	3,200.9546	3,200.9546	0.9853		3,225.5860
Total	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990	0.0000	3,200.9546	3,200.9546	0.9853		3,225.5860

Pump Station 25 - Yuba County, Summer

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

3.8 Pumps and Piping - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4500e-003	0.0582	0.0135	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2005	23.2005	8.0000e-005	3.3600e-003	24.2047
Worker	0.0110	5.5800e-003	0.0864	2.2000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		22.6970	22.6970	6.2000e-004	5.8000e-004	22.8848
Total	0.0124	0.0638	0.0999	4.4000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		45.8975	45.8975	7.0000e-004	3.9400e-003	47.0895

3.9 Final Grading and Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2941	10.9080	10.3093	0.0289		0.4285	0.4285		0.3958	0.3958		2,780.4313	2,780.4313	0.8837		2,802.5237
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2941	10.9080	10.3093	0.0289		0.4285	0.4285		0.3958	0.3958		2,780.4313	2,780.4313	0.8837		2,802.5237

Pump Station 25 - Yuba County, Summer

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

3.9 Final Grading and Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0733	0.0372	0.5761	1.4700e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		151.3136	151.3136	4.1400e-003	3.8500e-003	152.5654
Total	0.0733	0.0372	0.5761	1.4700e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		151.3136	151.3136	4.1400e-003	3.8500e-003	152.5654

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2941	10.9080	10.3093	0.0289		0.4285	0.4285		0.3958	0.3958	0.0000	2,780.4313	2,780.4313	0.8837		2,802.5237
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2941	10.9080	10.3093	0.0289		0.4285	0.4285		0.3958	0.3958	0.0000	2,780.4313	2,780.4313	0.8837		2,802.5237

Pump Station 25 - Yuba County, Summer

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

3.9 Final Grading and Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0733	0.0372	0.5761	1.4700e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		151.3136	151.3136	4.1400e-003	3.8500e-003	152.5654
Total	0.0733	0.0372	0.5761	1.4700e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		151.3136	151.3136	4.1400e-003	3.8500e-003	152.5654

3.10 PG&E Site Painting - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.6930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.7444	12.5015	13.0839	0.0426		0.4917	0.4917		0.4528	0.4528		4,115.1172	4,115.1172	1.3260		4,148.2665
Total	14.4374	12.5015	13.0839	0.0426		0.4917	0.4917		0.4528	0.4528		4,115.1172	4,115.1172	1.3260		4,148.2665

Pump Station 25 - Yuba County, Summer

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

3.10 PG&E Site Painting - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6600e-003	1.8600e-003	0.0288	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	4.0000e-005	2.2200e-003		7.5657	7.5657	2.1000e-004	1.9000e-004	7.6283
Total	3.6600e-003	1.8600e-003	0.0288	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	4.0000e-005	2.2200e-003		7.5657	7.5657	2.1000e-004	1.9000e-004	7.6283

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.6930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.7444	12.5015	13.0839	0.0426		0.4917	0.4917		0.4528	0.4528	0.0000	4,115.1172	4,115.1172	1.3260		4,148.2665
Total	14.4374	12.5015	13.0839	0.0426		0.4917	0.4917		0.4528	0.4528	0.0000	4,115.1172	4,115.1172	1.3260		4,148.2665

Pump Station 25 - Yuba County, Summer

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

3.10 PG&E Site Painting - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6600e-003	1.8600e-003	0.0288	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	4.0000e-005	2.2200e-003		7.5657	7.5657	2.1000e-004	1.9000e-004	7.6283
Total	3.6600e-003	1.8600e-003	0.0288	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	4.0000e-005	2.2200e-003		7.5657	7.5657	2.1000e-004	1.9000e-004	7.6283

3.10 PG&E Site Painting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.6930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092
Total	14.3044	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092

Pump Station 25 - Yuba County, Summer

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

3.10 PG&E Site Painting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-003	1.6400e-003	0.0265	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		7.3801	7.3801	1.9000e-004	1.8000e-004	7.4378
Total	3.4000e-003	1.6400e-003	0.0265	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		7.3801	7.3801	1.9000e-004	1.8000e-004	7.4378

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.6930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092
Total	14.3044	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092

Pump Station 25 - Yuba County, Summer

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

3.10 PG&E Site Painting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-003	1.6400e-003	0.0265	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		7.3801	7.3801	1.9000e-004	1.8000e-004	7.4378
Total	3.4000e-003	1.6400e-003	0.0265	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		7.3801	7.3801	1.9000e-004	1.8000e-004	7.4378

Pump Station 25 - Yuba County, Summer

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	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

Pump Station 25 - Yuba County, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated 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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2710	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2400e-003	2.2400e-003	1.0000e-005		2.3800e-003
Unmitigated	0.2710	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2400e-003	2.2400e-003	1.0000e-005		2.3800e-003

Pump Station 25 - Yuba County, Summer

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2187					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2400e-003	2.2400e-003	1.0000e-005		2.3800e-003
Total	0.2710	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2400e-003	2.2400e-003	1.0000e-005		2.3800e-003

Pump Station 25 - Yuba County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2187					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2400e-003	2.2400e-003	1.0000e-005		2.3800e-003
Total	0.2710	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2400e-003	2.2400e-003	1.0000e-005		2.3800e-003

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

Pump Station 25 - Yuba County, Summer

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

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	240	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

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 (175 - 300 HP)	0.1969	0.5504	0.5021	9.5000e-004		0.0290	0.0290		0.0290	0.0290		100.7417	100.7417	0.0141		101.0948
Total	0.1969	0.5504	0.5021	9.5000e-004		0.0290	0.0290		0.0290	0.0290		100.7417	100.7417	0.0141		101.0948

11.0 Vegetation

Pump Station 25 - Yuba County, Winter

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

Pump Station 25

Yuba County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	10.22	1000sqft	0.23	10,220.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Combined phases provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Phases provided by engineer combined

Off-road Equipment - Provided by engineer

Pump Station 25 - Yuba County, Winter

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

Trips and VMT -

Grading -

Vehicle Trips - Maintenance trips in Pump Station 1

Energy Use - n/a

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	15.00
tblConstructionPhase	NumDays	100.00	15.00
tblConstructionPhase	NumDays	100.00	60.00
tblConstructionPhase	NumDays	2.00	45.00
tblConstructionPhase	NumDays	5.00	15.00
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6550e-003	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.5660e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.4350e-003	0.00

Pump Station 25 - Yuba County, Winter

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		PG&E Site Painting

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Grading Rough
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Piping Underground
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Electrical
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Site Lighting
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wet Well Construction
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Wall and Generator
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Pumps and Piping
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	Final Grading and Paving
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	PG&E Site Painting
tblOffRoadEquipment	PhaseName	Grading Rough

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		Wall and Generator
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	PhaseName		Final Grading and Paving
tblOffRoadEquipment	PhaseName		Grading Rough
tblOffRoadEquipment	PhaseName		Piping Underground
tblOffRoadEquipment	PhaseName		Site Electrical
tblOffRoadEquipment	PhaseName		Site Lighting
tblOffRoadEquipment	PhaseName		Wet Well Construction
tblOffRoadEquipment	PhaseName		PG&E Site Painting
tblOffRoadEquipment	PhaseName		Pumps and Piping
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	7.72	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	200.00	240.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	6.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	1,898,562.50	0.00

2.0 Emissions Summary

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	17.2921	34.1985	37.0052	0.1068	6.7522	1.3502	7.8373	3.1825	1.2488	4.1840	0.0000	10,281.1286	10,281.1286	3.2008	0.0132	10,363.7500
2025	14.3073	10.7118	12.7623	0.0426	8.2100e-003	0.4007	0.4089	2.1800e-003	0.3692	0.3714	0.0000	4,121.6229	4,121.6229	1.3262	2.1000e-004	4,154.8387
Maximum	17.2921	34.1985	37.0052	0.1068	6.7522	1.3502	7.8373	3.1825	1.2488	4.1840	0.0000	10,281.1286	10,281.1286	3.2008	0.0132	10,363.7500

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	17.2921	34.1985	37.0052	0.1068	6.7522	1.3502	7.8373	3.1825	1.2488	4.1840	0.0000	10,281.1286	10,281.1286	3.2008	0.0132	10,363.7500
2025	14.3073	10.7118	12.7623	0.0426	8.2100e-003	0.4007	0.4089	2.1800e-003	0.3692	0.3714	0.0000	4,121.6229	4,121.6229	1.3262	2.1000e-004	4,154.8387
Maximum	17.2921	34.1985	37.0052	0.1068	6.7522	1.3502	7.8373	3.1825	1.2488	4.1840	0.0000	10,281.1286	10,281.1286	3.2008	0.0132	10,363.7500

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	0.2710	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2400e-003	2.2400e-003	1.0000e-005		2.3800e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.1969	0.5504	0.5021	9.5000e-004		0.0290	0.0290		0.0290	0.0290		100.7417	100.7417	0.0141		101.0948
Total	0.4679	0.5504	0.5032	9.5000e-004	0.0000	0.0290	0.0290	0.0000	0.0290	0.0290		100.7439	100.7439	0.0141	0.0000	101.0972

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2710	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2400e-003	2.2400e-003	1.0000e-005		2.3800e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.1969	0.5504	0.5021	9.5000e-004		0.0290	0.0290		0.0290	0.0290		100.7417	100.7417	0.0141		101.0948
Total	0.4679	0.5504	0.5032	9.5000e-004	0.0000	0.0290	0.0290	0.0000	0.0290	0.0290		100.7439	100.7439	0.0141	0.0000	101.0972

	ROG	NOx	CO	SO2	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	Grading Rough	Grading	1/1/2024	3/1/2024	5	45	
2	Piping Underground	Trenching	2/10/2024	6/14/2024	5	90	
3	Site Electrical	Trenching	5/4/2024	9/6/2024	5	90	
4	Site Lighting	Trenching	7/27/2024	8/16/2024	5	15	

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5	Wet Well Construction	Trenching	8/10/2024	10/11/2024	5	45
6	Wall and Generator	Building Construction	9/21/2024	10/11/2024	5	15
7	Pumps and Piping	Building Construction	10/5/2024	12/27/2024	5	60
8	Final Grading and Paving	Paving	11/30/2024	12/20/2024	5	15
9	PG&E Site Painting	Architectural Coating	12/14/2024	1/3/2025	5	15

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 40.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 12,323; Non-Residential Outdoor: 4,108; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading Rough	Dumpers/Tenders	1	6.00	16	0.38
Grading Rough	Excavators	1	6.00	158	0.38
Grading Rough	Forklifts	1	6.00	89	0.20
Grading Rough	Graders	1	6.00	187	0.41
Grading Rough	Off-Highway Trucks	2	6.00	250	0.38
Grading Rough	Plate Compactors	1	6.00	8	0.43
Grading Rough	Rollers	1	6.00	80	0.38
Grading Rough	Rubber Tired Dozers	1	6.00	247	0.40
Grading Rough	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Piping Underground	Dumpers/Tenders	1	6.00	16	0.38
Piping Underground	Forklifts	1	6.00	89	0.20
Piping Underground	Off-Highway Trucks	2	6.00	250	0.38
Piping Underground	Off-Highway Trucks	1	6.00	402	0.38
Piping Underground	Plate Compactors	1	6.00	8	0.43
Piping Underground	Tractors/Loaders/Backhoes	1	6.00	97	0.37

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Site Electrical	Dumpers/Tenders	1	6.00	16	0.38
Site Electrical	Forklifts	1	6.00	89	0.20
Site Electrical	Off-Highway Trucks	1	6.00	250	0.38
Site Electrical	Off-Highway Trucks	1	6.00	402	0.38
Site Electrical	Plate Compactors	1	6.00	8	0.43
Site Electrical	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Lighting	Dumpers/Tenders	1	6.00	16	0.38
Site Lighting	Forklifts	1	6.00	89	0.20
Site Lighting	Off-Highway Trucks	1	6.00	250	0.38
Site Lighting	Off-Highway Trucks	1	6.00	402	0.38
Site Lighting	Plate Compactors	1	6.00	8	0.43
Site Lighting	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wet Well Construction	Cranes	1	1.00	231	0.29
Wet Well Construction	Dumpers/Tenders	1	6.00	16	0.38
Wet Well Construction	Excavators	1	4.00	158	0.38
Wet Well Construction	Forklifts	1	6.00	89	0.20
Wet Well Construction	Off-Highway Trucks	2	6.00	250	0.38
Wet Well Construction	Off-Highway Trucks	1	6.00	402	0.38
Wet Well Construction	Plate Compactors	1	6.00	8	0.43
Wet Well Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Wall and Generator	Aerial Lifts	1	8.00	63	0.31
Wall and Generator	Dumpers/Tenders	1	8.00	16	0.38
Wall and Generator	Forklifts	1	8.00	89	0.20
Wall and Generator	Off-Highway Trucks	2	8.00	250	0.38
Wall and Generator	Off-Highway Trucks	1	8.00	402	0.38
Wall and Generator	Plate Compactors	1	8.00	8	0.43
Wall and Generator	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pumps and Piping	Aerial Lifts	1	6.00	63	0.31
Pumps and Piping	Dumpers/Tenders	1	6.00	16	0.38

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Pumps and Piping	Excavators	1	6.00	158	0.38
Pumps and Piping	Forklifts	1	6.00	89	0.20
Pumps and Piping	Off-Highway Trucks	2	6.00	250	0.38
Pumps and Piping	Off-Highway Trucks	1	6.00	402	0.38
Pumps and Piping	Plate Compactors	1	6.00	8	0.43
Pumps and Piping	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Pumps and Piping	Welders	1	6.00	46	0.45
Final Grading and Paving	Dumpers/Tenders	1	6.00	16	0.38
Final Grading and Paving	Forklifts	1	6.00	89	0.20
Final Grading and Paving	Graders	1	6.00	187	0.41
Final Grading and Paving	Off-Highway Trucks	1	6.00	250	0.38
Final Grading and Paving	Off-Highway Trucks	1	6.00	402	0.38
Final Grading and Paving	Pavers	1	6.00	130	0.42
Final Grading and Paving	Plate Compactors	1	6.00	8	0.43
Final Grading and Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
PG&E Site Painting	Aerial Lifts	2	6.00	63	0.31
PG&E Site Painting	Dumpers/Tenders	1	3.00	16	0.38
PG&E Site Painting	Forklifts	1	6.00	89	0.20
PG&E Site Painting	Off-Highway Trucks	4	8.00	250	0.38
PG&E Site Painting	Off-Highway Trucks	1	3.00	402	0.38
PG&E Site Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading Rough	11	28.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Piping Underground	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Electrical	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Site Lighting	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wet Well Construction	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Wall and Generator	8	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Pumps and Piping	10	3.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading and Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
PG&E Site Painting	10	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading Rough - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3743	0.0000	6.3743	3.0823	0.0000	3.0823			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905		3,480.669 3	3,480.669 3	1.1102		3,508.423 4
Total	1.9112	17.4364	15.1455	0.0361	6.3743	0.7488	7.1231	3.0823	0.6905	3.7728		3,480.669 3	3,480.669 3	1.1102		3,508.423 4

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Grading Rough - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406
Total	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3743	0.0000	6.3743	3.0823	0.0000	3.0823			0.0000			0.0000
Off-Road	1.9112	17.4364	15.1455	0.0361		0.7488	0.7488		0.6905	0.6905	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234
Total	1.9112	17.4364	15.1455	0.0361	6.3743	0.7488	7.1231	3.0823	0.6905	3.7728	0.0000	3,480.6693	3,480.6693	1.1102		3,508.4234

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Grading Rough - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406
Total	0.0897	0.0650	0.7029	1.8300e-003	0.2300	1.1000e-003	0.2311	0.0610	1.0100e-003	0.0620		188.3084	188.3084	6.7300e-003	6.2500e-003	190.3406

3.3 Piping Underground - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094		2,548.1824	2,548.1824	0.8086		2,568.3969

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Piping Underground - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618
Total	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969
Total	1.1443	8.1882	8.4795	0.0265		0.3345	0.3345		0.3094	0.3094	0.0000	2,548.1824	2,548.1824	0.8086		2,568.3969

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Piping Underground - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618
Total	0.0577	0.0418	0.4518	1.1700e-003	0.1479	7.1000e-004	0.1486	0.0392	6.5000e-004	0.0399		121.0554	121.0554	4.3200e-003	4.0200e-003	122.3618

3.4 Site Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Site Electrical - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682
Total	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Site Electrical - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682
Total	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682

3.5 Site Lighting - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467		1,958.6791	1,958.6791	0.6179		1,974.1271

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Site Lighting - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682
Total	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271
Total	0.8904	6.4849	6.8972	0.0204		0.2664	0.2664		0.2467	0.2467	0.0000	1,958.6791	1,958.6791	0.6179		1,974.1271

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Site Lighting - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682
Total	0.0481	0.0348	0.3765	9.8000e-004	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		100.8795	100.8795	3.6000e-003	3.3500e-003	101.9682

3.6 Wet Well Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579		2,868.1660	2,868.1660	0.9121		2,890.9677
Total	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579		2,868.1660	2,868.1660	0.9121		2,890.9677

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Wet Well Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0737	0.0534	0.5773	1.5000e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		154.6819	154.6819	5.5300e-003	5.1400e-003	156.3512
Total	0.0737	0.0534	0.5773	1.5000e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		154.6819	154.6819	5.5300e-003	5.1400e-003	156.3512

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579	0.0000	2,868.1660	2,868.1660	0.9121		2,890.9677
Total	1.2759	9.3276	10.3339	0.0298		0.3873	0.3873		0.3579	0.3579	0.0000	2,868.1660	2,868.1660	0.9121		2,890.9677

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Wet Well Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0737	0.0534	0.5773	1.5000e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		154.6819	154.6819	5.5300e-003	5.1400e-003	156.3512
Total	0.0737	0.0534	0.5773	1.5000e-003	0.1889	9.0000e-004	0.1898	0.0501	8.3000e-004	0.0510		154.6819	154.6819	5.5300e-003	5.1400e-003	156.3512

3.7 Wall and Generator - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209		3,560.1964	3,560.1964	1.1307		3,588.4639
Total	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209		3,560.1964	3,560.1964	1.1307		3,588.4639

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Wall and Generator - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4100e-003	0.0627	0.0140	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2183	23.2183	8.0000e-005	3.3700e-003	24.2248
Worker	9.6100e-003	6.9600e-003	0.0753	2.0000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		20.1759	20.1759	7.2000e-004	6.7000e-004	20.3936
Total	0.0110	0.0697	0.0893	4.2000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		43.3942	43.3942	8.0000e-004	4.0400e-003	44.6184

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209	0.0000	3,560.1964	3,560.1964	1.1307		3,588.4639
Total	1.5603	11.4438	12.3988	0.0370		0.4552	0.4552		0.4209	0.4209	0.0000	3,560.1964	3,560.1964	1.1307		3,588.4639

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Wall and Generator - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4100e-003	0.0627	0.0140	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2183	23.2183	8.0000e-005	3.3700e-003	24.2248
Worker	9.6100e-003	6.9600e-003	0.0753	2.0000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		20.1759	20.1759	7.2000e-004	6.7000e-004	20.3936
Total	0.0110	0.0697	0.0893	4.2000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		43.3942	43.3942	8.0000e-004	4.0400e-003	44.6184

3.8 Pumps and Piping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990		3,200.9546	3,200.9546	0.9853		3,225.5860
Total	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990		3,200.9546	3,200.9546	0.9853		3,225.5860

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Pumps and Piping - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4100e-003	0.0627	0.0140	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2183	23.2183	8.0000e-005	3.3700e-003	24.2248
Worker	9.6100e-003	6.9600e-003	0.0753	2.0000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		20.1759	20.1759	7.2000e-004	6.7000e-004	20.3936
Total	0.0110	0.0697	0.0893	4.2000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		43.3942	43.3942	8.0000e-004	4.0400e-003	44.6184

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990	0.0000	3,200.9546	3,200.9546	0.9853		3,225.5860
Total	1.4823	10.6706	12.9956	0.0336		0.4288	0.4288		0.3990	0.3990	0.0000	3,200.9546	3,200.9546	0.9853		3,225.5860

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Pumps and Piping - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4100e-003	0.0627	0.0140	2.2000e-004	6.7500e-003	3.6000e-004	7.1100e-003	1.9400e-003	3.5000e-004	2.2900e-003		23.2183	23.2183	8.0000e-005	3.3700e-003	24.2248
Worker	9.6100e-003	6.9600e-003	0.0753	2.0000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003		20.1759	20.1759	7.2000e-004	6.7000e-004	20.3936
Total	0.0110	0.0697	0.0893	4.2000e-004	0.0314	4.8000e-004	0.0319	8.4800e-003	4.6000e-004	8.9400e-003		43.3942	43.3942	8.0000e-004	4.0400e-003	44.6184

3.9 Final Grading and Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2941	10.9080	10.3093	0.0289		0.4285	0.4285		0.3958	0.3958		2,780.4313	2,780.4313	0.8837		2,802.5237
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2941	10.9080	10.3093	0.0289		0.4285	0.4285		0.3958	0.3958		2,780.4313	2,780.4313	0.8837		2,802.5237

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 Final Grading and Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0641	0.0464	0.5020	1.3000e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		134.5060	134.5060	4.8000e-003	4.4700e-003	135.9576
Total	0.0641	0.0464	0.5020	1.3000e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		134.5060	134.5060	4.8000e-003	4.4700e-003	135.9576

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2941	10.9080	10.3093	0.0289		0.4285	0.4285		0.3958	0.3958	0.0000	2,780.4313	2,780.4313	0.8837		2,802.5237
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2941	10.9080	10.3093	0.0289		0.4285	0.4285		0.3958	0.3958	0.0000	2,780.4313	2,780.4313	0.8837		2,802.5237

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 Final Grading and Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0641	0.0464	0.5020	1.3000e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		134.5060	134.5060	4.8000e-003	4.4700e-003	135.9576
Total	0.0641	0.0464	0.5020	1.3000e-003	0.1643	7.8000e-004	0.1651	0.0436	7.2000e-004	0.0443		134.5060	134.5060	4.8000e-003	4.4700e-003	135.9576

3.10 PG&E Site Painting - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.6930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.7444	12.5015	13.0839	0.0426		0.4917	0.4917		0.4528	0.4528		4,115.1172	4,115.1172	1.3260		4,148.2665
Total	14.4374	12.5015	13.0839	0.0426		0.4917	0.4917		0.4528	0.4528		4,115.1172	4,115.1172	1.3260		4,148.2665

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.10 PG&E Site Painting - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-003	2.3200e-003	0.0251	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	4.0000e-005	2.2200e-003		6.7253	6.7253	2.4000e-004	2.2000e-004	6.7979
Total	3.2000e-003	2.3200e-003	0.0251	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	4.0000e-005	2.2200e-003		6.7253	6.7253	2.4000e-004	2.2000e-004	6.7979

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.6930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.7444	12.5015	13.0839	0.0426		0.4917	0.4917		0.4528	0.4528	0.0000	4,115.1172	4,115.1172	1.3260		4,148.2665
Total	14.4374	12.5015	13.0839	0.0426		0.4917	0.4917		0.4528	0.4528	0.0000	4,115.1172	4,115.1172	1.3260		4,148.2665

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.10 PG&E Site Painting - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-003	2.3200e-003	0.0251	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	4.0000e-005	2.2200e-003		6.7253	6.7253	2.4000e-004	2.2000e-004	6.7979
Total	3.2000e-003	2.3200e-003	0.0251	7.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	4.0000e-005	2.2200e-003		6.7253	6.7253	2.4000e-004	2.2000e-004	6.7979

3.10 PG&E Site Painting - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.6930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092
Total	14.3044	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691		4,115.0603	4,115.0603	1.3260		4,148.2092

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.10 PG&E Site Painting - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295
Total	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.6930					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.6114	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092
Total	14.3044	10.7098	12.7390	0.0426		0.4007	0.4007		0.3691	0.3691	0.0000	4,115.0603	4,115.0603	1.3260		4,148.2092

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.10 PG&E Site Painting - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295
Total	2.9800e-003	2.0500e-003	0.0232	6.0000e-005	8.2100e-003	4.0000e-005	8.2500e-003	2.1800e-003	3.0000e-005	2.2100e-003		6.5626	6.5626	2.2000e-004	2.1000e-004	6.6295

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	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

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated 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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2710	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2400e-003	2.2400e-003	1.0000e-005		2.3800e-003
Unmitigated	0.2710	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2400e-003	2.2400e-003	1.0000e-005		2.3800e-003

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2187					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2400e-003	2.2400e-003	1.0000e-005		2.3800e-003
Total	0.2710	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2400e-003	2.2400e-003	1.0000e-005		2.3800e-003

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2187					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2400e-003	2.2400e-003	1.0000e-005		2.3800e-003
Total	0.2710	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.2400e-003	2.2400e-003	1.0000e-005		2.3800e-003

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

Pump Station 25 - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	240	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 (175 - 300 HP)	0.1969	0.5504	0.5021	9.5000e-004		0.0290	0.0290		0.0290	0.0290		100.7417	100.7417	0.0141		101.0948
Total	0.1969	0.5504	0.5021	9.5000e-004		0.0290	0.0290		0.0290	0.0290		100.7417	100.7417	0.0141		101.0948

11.0 Vegetation

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Forty Mile Water Plant
Yuba County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	42.00	1000sqft	0.96	42,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2027
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by project engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment -

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Trips and VMT -

Grading - n

Vehicle Trips - Approximately 2 trips per month

Consumer Products -

Area Coating -

Energy Use - Electricity use provided separately

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Off-road Equipment - Provided by project engineer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	100.00	10.00
tblConstructionPhase	NumDays	100.00	5.00
tblConstructionPhase	NumDays	100.00	20.00
tblConstructionPhase	NumDays	100.00	60.00
tblConstructionPhase	NumDays	2.00	30.00
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	PhaseEndDate	7/30/2027	11/25/2026
tblConstructionPhase	PhaseEndDate	5/22/2026	7/1/2026
tblConstructionPhase	PhaseEndDate	10/9/2026	7/8/2026
tblConstructionPhase	PhaseEndDate	2/26/2027	8/5/2026
tblConstructionPhase	PhaseEndDate	7/16/2027	10/28/2026
tblConstructionPhase	PhaseEndDate	1/2/2026	2/11/2026
tblConstructionPhase	PhaseEndDate	7/23/2027	11/11/2026
tblConstructionPhase	PhaseEndDate	1/2/2026	5/6/2026
tblConstructionPhase	PhaseEndDate	1/2/2026	6/17/2026

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	7/24/2027	11/12/2026
tblConstructionPhase	PhaseStartDate	1/3/2026	6/18/2026
tblConstructionPhase	PhaseStartDate	5/23/2026	7/2/2026
tblConstructionPhase	PhaseStartDate	10/10/2026	7/9/2026
tblConstructionPhase	PhaseStartDate	2/27/2027	8/6/2026
tblConstructionPhase	PhaseStartDate	7/17/2027	10/29/2026
tblConstructionPhase	PhaseStartDate	1/3/2026	2/12/2026
tblConstructionPhase	PhaseStartDate	1/3/2026	5/7/2026
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6070e-003	0.00
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	7.9850e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	3.9250e-003	0.00
tblFleetMix	MHD	6.5790e-003	0.00
tblFleetMix	OBUS	5.5800e-004	0.00
tblFleetMix	SBUS	2.2850e-003	0.00
tblFleetMix	UBUS	1.4800e-003	0.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName		Building Foundation and Walls
tblOffRoadEquipment	PhaseName		Generator and Well Pump
tblOffRoadEquipment	PhaseName		Generator and Well Pump
tblOffRoadEquipment	PhaseName		Booster Station
tblOffRoadEquipment	PhaseName		Reservoir Erection
tblOffRoadEquipment	PhaseName		Final Electrical and Painting
tblOffRoadEquipment	PhaseName		Final Electrical and Painting
tblOffRoadEquipment	PhaseName		Reservoir Painting, paving, interior
tblOffRoadEquipment	PhaseName		Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName		Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName		Piping and Electrical
tblOffRoadEquipment	PhaseName		Site Lighting and Tank
tblOffRoadEquipment	PhaseName		Building Foundation and Walls

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	PhaseName	Generator and Well Pump
tblOffRoadEquipment	PhaseName	Booster Station
tblOffRoadEquipment	PhaseName	Final Electrical and Painting
tblOffRoadEquipment	PhaseName	Reservoir Painting, paving, interior
tblOffRoadEquipment	PhaseName	Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName	Booster Station
tblOffRoadEquipment	PhaseName	Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName	Piping and Electrical
tblOffRoadEquipment	PhaseName	Site Lighting and Tank
tblOffRoadEquipment	PhaseName	Final Electrical and Painting
tblOffRoadEquipment	PhaseName	Final Electrical and Painting
tblOffRoadEquipment	PhaseName	Reservoir Painting, paving, interior
tblOffRoadEquipment	PhaseName	Reservoir Painting, paving, interior
tblOffRoadEquipment	PhaseName	Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName	Piping and Electrical
tblOffRoadEquipment	PhaseName	Site Lighting and Tank
tblOffRoadEquipment	PhaseName	Building Foundation and Walls
tblOffRoadEquipment	PhaseName	Generator and Well Pump
tblOffRoadEquipment	PhaseName	Booster Station
tblOffRoadEquipment	PhaseName	Final Electrical and Painting
tblOffRoadEquipment	PhaseName	Reservoir Painting, paving, interior
tblOffRoadEquipment	PhaseName	Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName	Piping and Electrical
tblOffRoadEquipment	PhaseName	Site Lighting and Tank
tblOffRoadEquipment	PhaseName	Building Foundation and Walls
tblOffRoadEquipment	PhaseName	Generator and Well Pump
tblOffRoadEquipment	PhaseName	Booster Station
tblOffRoadEquipment	PhaseName	Reservoir Painting, paving, interior
tblOffRoadEquipment	PhaseName	Rough Grading/Well Drilling

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	PhaseName		Piping and Electrical
tblOffRoadEquipment	PhaseName		Site Lighting and Tank
tblOffRoadEquipment	PhaseName		Final Electrical and Painting
tblOffRoadEquipment	PhaseName		Final Electrical and Painting
tblOffRoadEquipment	PhaseName		Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName		Generator and Well Pump
tblOffRoadEquipment	PhaseName		Booster Station
tblOffRoadEquipment	PhaseName		Reservoir Erection
tblOffRoadEquipment	PhaseName		Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName		Piping and Electrical
tblOffRoadEquipment	PhaseName		Site Lighting and Tank
tblOffRoadEquipment	PhaseName		Building Foundation and Walls
tblOffRoadEquipment	PhaseName		Generator and Well Pump
tblOffRoadEquipment	PhaseName		Booster Station
tblOffRoadEquipment	PhaseName		Reservoir Erection
tblOffRoadEquipment	PhaseName		Final Electrical and Painting
tblOffRoadEquipment	PhaseName		Reservoir Painting, paving, interior
tblOffRoadEquipment	UsageHours	4.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	39.48	1.00
tblVehicleTrips	ST_TR	1.74	2.0000e-003
tblVehicleTrips	SU_TR	1.74	2.0000e-003
tblVehicleTrips	WD_TR	1.74	2.0000e-003

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblWater	IndoorWaterUseRate	9,712,500.00	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					
2026	0.6989	1.5145	1.7770	5.1200e-003	0.1035	0.0583	0.1618	0.0449	0.0540	0.0989	0.0000	447.3005	447.3005	0.1338	1.4200e-003	451.0660
Maximum	0.6989	1.5145	1.7770	5.1200e-003	0.1035	0.0583	0.1618	0.0449	0.0540	0.0989	0.0000	447.3005	447.3005	0.1338	1.4200e-003	451.0660

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.6989	1.5145	1.7770	5.1200e-003	0.1035	0.0583	0.1618	0.0449	0.0540	0.0989	0.0000	447.3000	447.3000	0.1338	1.4200e-003	451.0655
Maximum	0.6989	1.5145	1.7770	5.1200e-003	0.1035	0.0583	0.1618	0.0449	0.0540	0.0989	0.0000	447.3000	447.3000	0.1338	1.4200e-003	451.0655

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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)
1	1-1-2026	3-31-2026	0.6882	0.6882
2	4-1-2026	6-30-2026	0.5283	0.5283
3	7-1-2026	9-30-2026	0.2981	0.2981
		Highest	0.6882	0.6882

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	0.2127	0.0000	3.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.5000e-004	7.5000e-004	0.0000	0.0000	8.0000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	3.0000e-005	2.0000e-005	2.6000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0671	0.0671	0.0000	0.0000	0.0678
Stationary	3.9600e-003	0.0177	0.0101	2.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	1.8393	1.8393	2.6000e-004	0.0000	1.8457
Waste						0.0000	0.0000		0.0000	0.0000	0.2030	0.0000	0.2030	0.0120	0.0000	0.5029
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.2167	0.0177	0.0108	2.0000e-005	9.0000e-005	5.8000e-004	6.7000e-004	2.0000e-005	5.8000e-004	6.0000e-004	0.2030	1.9071	2.1101	0.0123	0.0000	2.4172

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2127	0.0000	3.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.5000e-004	7.5000e-004	0.0000	0.0000	8.0000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	3.0000e-005	2.0000e-005	2.6000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0671	0.0671	0.0000	0.0000	0.0678
Stationary	3.9600e-003	0.0177	0.0101	2.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	1.8393	1.8393	2.6000e-004	0.0000	1.8457
Waste						0.0000	0.0000		0.0000	0.0000	0.2030	0.0000	0.2030	0.0120	0.0000	0.5029
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.2167	0.0177	0.0108	2.0000e-005	9.0000e-005	5.8000e-004	6.7000e-004	2.0000e-005	5.8000e-004	6.0000e-004	0.2030	1.9071	2.1101	0.0123	0.0000	2.4172

	ROG	NOx	CO	SO2	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	Rough Grading/Well Drilling	Grading	1/1/2026	2/11/2026	5	30	
2	Piping and Electrical	Trenching	2/12/2026	5/6/2026	5	60	

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3	Site Lighting and Tank	Trenching	5/7/2026	6/17/2026	5	30
4	Building Foundation and Walls	Building Construction	6/18/2026	7/1/2026	5	10
5	Generator and Well Pump	Building Construction	7/2/2026	7/8/2026	5	5
6	Booster Station	Building Construction	7/9/2026	8/5/2026	5	20
7	Reservoir Erection	Building Construction	8/6/2026	10/28/2026	5	60
8	Reservoir Painting, paving, interior	Paving	10/29/2026	11/11/2026	5	10
9	Final Electrical and Painting	Architectural Coating	11/12/2026	11/25/2026	5	10

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 22.5

Acres of Paving: 0

Residential Indoor: 0; Residential Indoor: 63,000; Non-Residential Indoor: 21,000; Striped Parking Area: 0
 Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Rough Grading/Well Drilling	Aerial Lifts	1	6.00	63	0.31
Rough Grading/Well Drilling	Bore/Drill Rigs	1	6.00	221	0.50
Rough Grading/Well Drilling	Dumpers/Tenders	2	6.00	16	0.38
Rough Grading/Well Drilling	Excavators	1	6.00	158	0.38
Rough Grading/Well Drilling	Forklifts	1	6.00	89	0.20
Rough Grading/Well Drilling	Graders	1	6.00	187	0.41
Rough Grading/Well Drilling	Off-Highway Trucks	2	6.00	402	0.38
Rough Grading/Well Drilling	Plate Compactors	1	6.00	8	0.43
Rough Grading/Well Drilling	Rollers	1	6.00	80	0.38
Rough Grading/Well Drilling	Rubber Tired Dozers	1	6.00	247	0.40
Rough Grading/Well Drilling	Tractors/Loaders/Backhoes	3	6.00	97	0.37
Rough Grading/Well Drilling	Welders	1	6.00	46	0.45
Piping and Electrical	Dumpers/Tenders	2	6.00	16	0.38

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Piping and Electrical	Forklifts	2	6.00	89	0.20
Piping and Electrical	Off-Highway Trucks	2	6.00	402	0.38
Piping and Electrical	Plate Compactors	2	6.00	8	0.43
Piping and Electrical	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Lighting and Tank	Dumpers/Tenders	2	6.00	16	0.38
Site Lighting and Tank	Forklifts	2	6.00	89	0.20
Site Lighting and Tank	Off-Highway Trucks	2	6.00	402	0.38
Site Lighting and Tank	Plate Compactors	2	6.00	8	0.43
Site Lighting and Tank	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Foundation and Walls	Aerial Lifts	2	6.00	63	0.31
Building Foundation and Walls	Dumpers/Tenders	3	6.00	16	0.38
Building Foundation and Walls	Forklifts	3	6.00	89	0.20
Building Foundation and Walls	Off-Highway Trucks	3	6.00	402	0.38
Building Foundation and Walls	Plate Compactors	3	6.00	8	0.43
Building Foundation and Walls	Tractors/Loaders/Backhoes	3	6.00	97	0.37
Generator and Well Pump	Aerial Lifts	1	6.00	63	0.31
Generator and Well Pump	Aerial Lifts	1	3.00	63	0.31
Generator and Well Pump	Dumpers/Tenders	1	6.00	16	0.38
Generator and Well Pump	Forklifts	2	6.00	89	0.20
Generator and Well Pump	Off-Highway Trucks	1	6.00	402	0.38
Generator and Well Pump	Plate Compactors	1	6.00	8	0.43
Generator and Well Pump	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Generator and Well Pump	Welders	1	3.00	46	0.45
Booster Station	Aerial Lifts	1	6.00	63	0.31
Booster Station	Dumpers/Tenders	1	6.00	16	0.38
Booster Station	Excavators	1	6.00	158	0.38
Booster Station	Forklifts	2	6.00	89	0.20
Booster Station	Off-Highway Trucks	1	6.00	402	0.38
Booster Station	Plate Compactors	1	6.00	8	0.43

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Booster Station	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Booster Station	Welders	1	6.00	46	0.45
Reservoir Erection	Aerial Lifts	1	6.00	63	0.31
Reservoir Erection	Cranes	1	6.00	231	0.29
Reservoir Erection	Forklifts	1	6.00	89	0.20
Reservoir Erection	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Reservoir Erection	Welders	1	6.00	46	0.45
Final Electrical and Painting	Aerial Lifts	1	3.00	63	0.31
Final Electrical and Painting	Aerial Lifts	2	6.00	63	0.31
Final Electrical and Painting	Dumpers/Tenders	1	2.00	16	0.38
Final Electrical and Painting	Forklifts	1	3.00	89	0.20
Final Electrical and Painting	Forklifts	1	6.00	89	0.20
Final Electrical and Painting	Off-Highway Trucks	1	2.00	402	0.38
Final Electrical and Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37
Final Electrical and Painting	Tractors/Loaders/Backhoes	1	2.00	97	0.37
Reservoir Painting, paving, interior	Aerial Lifts	1	6.00	63	0.31
Reservoir Painting, paving, interior	Dumpers/Tenders	1	6.00	16	0.38
Reservoir Painting, paving, interior	Forklifts	4	6.00	89	0.20
Reservoir Painting, paving, interior	Graders	1	6.00	187	0.41
Reservoir Painting, paving, interior	Off-Highway Trucks	1	6.00	402	0.38
Reservoir Painting, paving, interior	Pavers	1	6.00	130	0.42
Reservoir Painting, paving, interior	Plate Compactors	1	6.00	8	0.43
Reservoir Painting, paving, interior	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Rough Grading/Well Drilling	Off-Highway Trucks	3	6.00	250	0.38
Piping and Electrical	Off-Highway Trucks	3	6.00	250	0.38
Site Lighting and Tank	Off-Highway Trucks	3	6.00	250	0.38
Building Foundation and Walls	Off-Highway Trucks	5	6.00	250	0.38
Generator and Well Pump	Off-Highway Trucks	1	8.00	250	0.38
Booster Station	Off-Highway Trucks	1	6.00	250	0.38

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Reservoir Erection	Off-Highway Trucks	1	6.00	250	0.38
Final Electrical and Painting	Off-Highway Trucks	2	6.00	402	0.38
Reservoir Painting, paving, interior	Off-Highway Trucks	2	8.00	250	0.38

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
Rough Grading/Well Drilling	16	40.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Piping and Electrical	10	25.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Lighting and Tank	10	25.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Foundation and Walls	17	18.00	7.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Generator and Well Pump	9	18.00	7.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Booster Station	9	18.00	7.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Reservoir Erection	5	18.00	7.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Electrical and Painting	9	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Reservoir Painting, paving, interior	12	30.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Rough Grading/Well Drilling - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0797	0.0000	0.0797	0.0385	0.0000	0.0385	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0482	0.3816	0.3995	1.1300e-003		0.0148	0.0148		0.0137	0.0137	0.0000	98.4732	98.4732	0.0310	0.0000	99.2487
Total	0.0482	0.3816	0.3995	1.1300e-003	0.0797	0.0148	0.0945	0.0385	0.0137	0.0523	0.0000	98.4732	98.4732	0.0310	0.0000	99.2487

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6100e-003	9.8000e-004	0.0128	4.0000e-005	4.7200e-003	2.0000e-005	4.7400e-003	1.2600e-003	2.0000e-005	1.2800e-003	0.0000	3.5759	3.5759	1.0000e-004	1.0000e-004	3.6073
Total	1.6100e-003	9.8000e-004	0.0128	4.0000e-005	4.7200e-003	2.0000e-005	4.7400e-003	1.2600e-003	2.0000e-005	1.2800e-003	0.0000	3.5759	3.5759	1.0000e-004	1.0000e-004	3.6073

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Rough Grading/Well Drilling - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0797	0.0000	0.0797	0.0385	0.0000	0.0385	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0482	0.3816	0.3995	1.1300e-003		0.0148	0.0148		0.0137	0.0137	0.0000	98.4731	98.4731	0.0310	0.0000	99.2486
Total	0.0482	0.3816	0.3995	1.1300e-003	0.0797	0.0148	0.0945	0.0385	0.0137	0.0523	0.0000	98.4731	98.4731	0.0310	0.0000	99.2486

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6100e-003	9.8000e-004	0.0128	4.0000e-005	4.7200e-003	2.0000e-005	4.7400e-003	1.2600e-003	2.0000e-005	1.2800e-003	0.0000	3.5759	3.5759	1.0000e-004	1.0000e-004	3.6073
Total	1.6100e-003	9.8000e-004	0.0128	4.0000e-005	4.7200e-003	2.0000e-005	4.7400e-003	1.2600e-003	2.0000e-005	1.2800e-003	0.0000	3.5759	3.5759	1.0000e-004	1.0000e-004	3.6073

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Piping and Electrical - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0575	0.3864	0.4533	1.4100e-003		0.0151	0.0151		0.0140	0.0140	0.0000	122.8829	122.8829	0.0389	0.0000	123.8553
Total	0.0575	0.3864	0.4533	1.4100e-003		0.0151	0.0151		0.0140	0.0140	0.0000	122.8829	122.8829	0.0389	0.0000	123.8553

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0100e-003	1.2200e-003	0.0160	5.0000e-005	5.9000e-003	3.0000e-005	5.9200e-003	1.5700e-003	2.0000e-005	1.5900e-003	0.0000	4.4699	4.4699	1.2000e-004	1.2000e-004	4.5092
Total	2.0100e-003	1.2200e-003	0.0160	5.0000e-005	5.9000e-003	3.0000e-005	5.9200e-003	1.5700e-003	2.0000e-005	1.5900e-003	0.0000	4.4699	4.4699	1.2000e-004	1.2000e-004	4.5092

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3.3 Piping and Electrical - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0575	0.3864	0.4533	1.4100e-003		0.0151	0.0151		0.0140	0.0140	0.0000	122.8828	122.8828	0.0389	0.0000	123.8552
Total	0.0575	0.3864	0.4533	1.4100e-003		0.0151	0.0151		0.0140	0.0140	0.0000	122.8828	122.8828	0.0389	0.0000	123.8552

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0100e-003	1.2200e-003	0.0160	5.0000e-005	5.9000e-003	3.0000e-005	5.9200e-003	1.5700e-003	2.0000e-005	1.5900e-003	0.0000	4.4699	4.4699	1.2000e-004	1.2000e-004	4.5092
Total	2.0100e-003	1.2200e-003	0.0160	5.0000e-005	5.9000e-003	3.0000e-005	5.9200e-003	1.5700e-003	2.0000e-005	1.5900e-003	0.0000	4.4699	4.4699	1.2000e-004	1.2000e-004	4.5092

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3.4 Site Lighting and Tank - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0287	0.1932	0.2267	7.1000e-004		7.5700e-003	7.5700e-003		7.0100e-003	7.0100e-003	0.0000	61.4415	61.4415	0.0195	0.0000	61.9277
Total	0.0287	0.1932	0.2267	7.1000e-004		7.5700e-003	7.5700e-003		7.0100e-003	7.0100e-003	0.0000	61.4415	61.4415	0.0195	0.0000	61.9277

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0100e-003	6.1000e-004	7.9800e-003	2.0000e-005	2.9500e-003	1.0000e-005	2.9600e-003	7.8000e-004	1.0000e-005	8.0000e-004	0.0000	2.2350	2.2350	6.0000e-005	6.0000e-005	2.2546
Total	1.0100e-003	6.1000e-004	7.9800e-003	2.0000e-005	2.9500e-003	1.0000e-005	2.9600e-003	7.8000e-004	1.0000e-005	8.0000e-004	0.0000	2.2350	2.2350	6.0000e-005	6.0000e-005	2.2546

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Site Lighting and Tank - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0287	0.1932	0.2267	7.1000e-004		7.5700e-003	7.5700e-003		7.0100e-003	7.0100e-003	0.0000	61.4414	61.4414	0.0195	0.0000	61.9276
Total	0.0287	0.1932	0.2267	7.1000e-004		7.5700e-003	7.5700e-003		7.0100e-003	7.0100e-003	0.0000	61.4414	61.4414	0.0195	0.0000	61.9276

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0100e-003	6.1000e-004	7.9800e-003	2.0000e-005	2.9500e-003	1.0000e-005	2.9600e-003	7.8000e-004	1.0000e-005	8.0000e-004	0.0000	2.2350	2.2350	6.0000e-005	6.0000e-005	2.2546
Total	1.0100e-003	6.1000e-004	7.9800e-003	2.0000e-005	2.9500e-003	1.0000e-005	2.9600e-003	7.8000e-004	1.0000e-005	8.0000e-004	0.0000	2.2350	2.2350	6.0000e-005	6.0000e-005	2.2546

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Foundation and Walls - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0152	0.1041	0.1253	3.8000e-004		3.9900e-003	3.9900e-003		3.6900e-003	3.6900e-003	0.0000	33.1709	33.1709	0.0105	0.0000	33.4338
Total	0.0152	0.1041	0.1253	3.8000e-004		3.9900e-003	3.9900e-003		3.6900e-003	3.6900e-003	0.0000	33.1709	33.1709	0.0105	0.0000	33.4338

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	2.0000e-003	4.5000e-004	1.0000e-005	2.3000e-004	1.0000e-005	2.4000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.7105	0.7105	0.0000	1.0000e-004	0.7410
Worker	2.4000e-004	1.5000e-004	1.9200e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5364	0.5364	1.0000e-005	1.0000e-005	0.5411
Total	2.9000e-004	2.1500e-003	2.3700e-003	2.0000e-005	9.4000e-004	1.0000e-005	9.5000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	1.2469	1.2469	1.0000e-005	1.1000e-004	1.2821

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Foundation and Walls - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0152	0.1041	0.1253	3.8000e-004		3.9900e-003	3.9900e-003		3.6900e-003	3.6900e-003	0.0000	33.1708	33.1708	0.0105	0.0000	33.4338
Total	0.0152	0.1041	0.1253	3.8000e-004		3.9900e-003	3.9900e-003		3.6900e-003	3.6900e-003	0.0000	33.1708	33.1708	0.0105	0.0000	33.4338

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	2.0000e-003	4.5000e-004	1.0000e-005	2.3000e-004	1.0000e-005	2.4000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.7105	0.7105	0.0000	1.0000e-004	0.7410
Worker	2.4000e-004	1.5000e-004	1.9200e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5364	0.5364	1.0000e-005	1.0000e-005	0.5411
Total	2.9000e-004	2.1500e-003	2.3700e-003	2.0000e-005	9.4000e-004	1.0000e-005	9.5000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	1.2469	1.2469	1.0000e-005	1.1000e-004	1.2821

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Generator and Well Pump - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.7600e-003	0.0198	0.0250	7.0000e-005		7.5000e-004	7.5000e-004		7.0000e-004	7.0000e-004	0.0000	5.7393	5.7393	1.7800e-003	0.0000	5.7839
Total	2.7600e-003	0.0198	0.0250	7.0000e-005		7.5000e-004	7.5000e-004		7.0000e-004	7.0000e-004	0.0000	5.7393	5.7393	1.7800e-003	0.0000	5.7839

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.0000e-003	2.2000e-004	0.0000	1.1000e-004	1.0000e-005	1.2000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3553	0.3553	0.0000	5.0000e-005	0.3705
Worker	1.2000e-004	7.0000e-005	9.6000e-004	0.0000	3.5000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2682	0.2682	1.0000e-005	1.0000e-005	0.2706
Total	1.4000e-004	1.0700e-003	1.1800e-003	0.0000	4.6000e-004	1.0000e-005	4.8000e-004	1.2000e-004	1.0000e-005	1.4000e-004	0.0000	0.6235	0.6235	1.0000e-005	6.0000e-005	0.6411

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Generator and Well Pump - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.7600e-003	0.0198	0.0250	7.0000e-005		7.5000e-004	7.5000e-004		7.0000e-004	7.0000e-004	0.0000	5.7393	5.7393	1.7800e-003	0.0000	5.7839
Total	2.7600e-003	0.0198	0.0250	7.0000e-005		7.5000e-004	7.5000e-004		7.0000e-004	7.0000e-004	0.0000	5.7393	5.7393	1.7800e-003	0.0000	5.7839

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	1.0000e-003	2.2000e-004	0.0000	1.1000e-004	1.0000e-005	1.2000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3553	0.3553	0.0000	5.0000e-005	0.3705
Worker	1.2000e-004	7.0000e-005	9.6000e-004	0.0000	3.5000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2682	0.2682	1.0000e-005	1.0000e-005	0.2706
Total	1.4000e-004	1.0700e-003	1.1800e-003	0.0000	4.6000e-004	1.0000e-005	4.8000e-004	1.2000e-004	1.0000e-005	1.4000e-004	0.0000	0.6235	0.6235	1.0000e-005	6.0000e-005	0.6411

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Booster Station - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0122	0.0865	0.1214	2.9000e-004		3.4000e-003	3.4000e-003		3.1700e-003	3.1700e-003	0.0000	24.7226	24.7226	7.5300e-003	0.0000	24.9109
Total	0.0122	0.0865	0.1214	2.9000e-004		3.4000e-003	3.4000e-003		3.1700e-003	3.1700e-003	0.0000	24.7226	24.7226	7.5300e-003	0.0000	24.9109

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	4.0100e-003	8.9000e-004	1.0000e-005	4.6000e-004	2.0000e-005	4.8000e-004	1.3000e-004	2.0000e-005	1.5000e-004	0.0000	1.4210	1.4210	0.0000	2.0000e-004	1.4820
Worker	4.8000e-004	2.9000e-004	3.8300e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4200e-003	3.8000e-004	1.0000e-005	3.8000e-004	0.0000	1.0728	1.0728	3.0000e-005	3.0000e-005	1.0822
Total	5.7000e-004	4.3000e-003	4.7200e-003	2.0000e-005	1.8800e-003	3.0000e-005	1.9000e-003	5.1000e-004	3.0000e-005	5.3000e-004	0.0000	2.4938	2.4938	3.0000e-005	2.3000e-004	2.5642

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Booster Station - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0122	0.0865	0.1214	2.9000e-004		3.4000e-003	3.4000e-003		3.1700e-003	3.1700e-003	0.0000	24.7226	24.7226	7.5300e-003	0.0000	24.9109
Total	0.0122	0.0865	0.1214	2.9000e-004		3.4000e-003	3.4000e-003		3.1700e-003	3.1700e-003	0.0000	24.7226	24.7226	7.5300e-003	0.0000	24.9109

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	4.0100e-003	8.9000e-004	1.0000e-005	4.6000e-004	2.0000e-005	4.8000e-004	1.3000e-004	2.0000e-005	1.5000e-004	0.0000	1.4210	1.4210	0.0000	2.0000e-004	1.4820
Worker	4.8000e-004	2.9000e-004	3.8300e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4200e-003	3.8000e-004	1.0000e-005	3.8000e-004	0.0000	1.0728	1.0728	3.0000e-005	3.0000e-005	1.0822
Total	5.7000e-004	4.3000e-003	4.7200e-003	2.0000e-005	1.8800e-003	3.0000e-005	1.9000e-003	5.1000e-004	3.0000e-005	5.3000e-004	0.0000	2.4938	2.4938	3.0000e-005	2.3000e-004	2.5642

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Reservoir Erection - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0247	0.2044	0.2224	5.1000e-004		7.9900e-003	7.9900e-003		7.4200e-003	7.4200e-003	0.0000	44.2722	44.2722	0.0134	0.0000	44.6060
Total	0.0247	0.2044	0.2224	5.1000e-004		7.9900e-003	7.9900e-003		7.4200e-003	7.4200e-003	0.0000	44.2722	44.2722	0.0134	0.0000	44.6060

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7000e-004	0.0120	2.6700e-003	4.0000e-005	1.3700e-003	7.0000e-005	1.4400e-003	4.0000e-004	7.0000e-005	4.6000e-004	0.0000	4.2630	4.2630	1.0000e-005	6.1000e-004	4.4460
Worker	1.4500e-003	8.8000e-004	0.0115	3.0000e-005	4.2500e-003	2.0000e-005	4.2700e-003	1.1300e-003	2.0000e-005	1.1500e-003	0.0000	3.2183	3.2183	9.0000e-005	9.0000e-005	3.2466
Total	1.7200e-003	0.0129	0.0142	7.0000e-005	5.6200e-003	9.0000e-005	5.7100e-003	1.5300e-003	9.0000e-005	1.6100e-003	0.0000	7.4814	7.4814	1.0000e-004	7.0000e-004	7.6926

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Reservoir Erection - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0247	0.2044	0.2224	5.1000e-004		7.9900e-003	7.9900e-003		7.4200e-003	7.4200e-003	0.0000	44.2722	44.2722	0.0134	0.0000	44.6059
Total	0.0247	0.2044	0.2224	5.1000e-004		7.9900e-003	7.9900e-003		7.4200e-003	7.4200e-003	0.0000	44.2722	44.2722	0.0134	0.0000	44.6059

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7000e-004	0.0120	2.6700e-003	4.0000e-005	1.3700e-003	7.0000e-005	1.4400e-003	4.0000e-004	7.0000e-005	4.6000e-004	0.0000	4.2630	4.2630	1.0000e-005	6.1000e-004	4.4460
Worker	1.4500e-003	8.8000e-004	0.0115	3.0000e-005	4.2500e-003	2.0000e-005	4.2700e-003	1.1300e-003	2.0000e-005	1.1500e-003	0.0000	3.2183	3.2183	9.0000e-005	9.0000e-005	3.2466
Total	1.7200e-003	0.0129	0.0142	7.0000e-005	5.6200e-003	9.0000e-005	5.7100e-003	1.5300e-003	9.0000e-005	1.6100e-003	0.0000	7.4814	7.4814	1.0000e-004	7.0000e-004	7.6926

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 Reservoir Painting, paving, interior - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.5700e-003	0.0756	0.0888	2.3000e-004		3.0000e-003	3.0000e-003		2.7700e-003	2.7700e-003	0.0000	20.1930	20.1930	6.4600e-003	0.0000	20.3545
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.5700e-003	0.0756	0.0888	2.3000e-004		3.0000e-003	3.0000e-003		2.7700e-003	2.7700e-003	0.0000	20.1930	20.1930	6.4600e-003	0.0000	20.3545

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.4000e-004	3.1900e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1800e-003	3.1000e-004	0.0000	3.2000e-004	0.0000	0.8940	0.8940	2.0000e-005	2.0000e-005	0.9018
Total	4.0000e-004	2.4000e-004	3.1900e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1800e-003	3.1000e-004	0.0000	3.2000e-004	0.0000	0.8940	0.8940	2.0000e-005	2.0000e-005	0.9018

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 Reservoir Painting, paving, interior - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.5700e-003	0.0756	0.0888	2.3000e-004		3.0000e-003	3.0000e-003		2.7700e-003	2.7700e-003	0.0000	20.1930	20.1930	6.4600e-003	0.0000	20.3545
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.5700e-003	0.0756	0.0888	2.3000e-004		3.0000e-003	3.0000e-003		2.7700e-003	2.7700e-003	0.0000	20.1930	20.1930	6.4600e-003	0.0000	20.3545

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.4000e-004	3.1900e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1800e-003	3.1000e-004	0.0000	3.2000e-004	0.0000	0.8940	0.8940	2.0000e-005	2.0000e-005	0.9018
Total	4.0000e-004	2.4000e-004	3.1900e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1800e-003	3.1000e-004	0.0000	3.2000e-004	0.0000	0.8940	0.8940	2.0000e-005	2.0000e-005	0.9018

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.10 Final Electrical and Painting - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4867					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5100e-003	0.0394	0.0519	1.5000e-004		1.4200e-003	1.4200e-003		1.3100e-003	1.3100e-003	0.0000	13.2653	13.2653	4.2800e-003	0.0000	13.3722
Total	0.4922	0.0394	0.0519	1.5000e-004		1.4200e-003	1.4200e-003		1.3100e-003	1.3100e-003	0.0000	13.2653	13.2653	4.2800e-003	0.0000	13.3722

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.3000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1192	0.1192	0.0000	0.0000	0.1202
Total	5.0000e-005	3.0000e-005	4.3000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1192	0.1192	0.0000	0.0000	0.1202

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.10 Final Electrical and Painting - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4867					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5100e-003	0.0394	0.0519	1.5000e-004		1.4200e-003	1.4200e-003		1.3100e-003	1.3100e-003	0.0000	13.2653	13.2653	4.2800e-003	0.0000	13.3722
Total	0.4922	0.0394	0.0519	1.5000e-004		1.4200e-003	1.4200e-003		1.3100e-003	1.3100e-003	0.0000	13.2653	13.2653	4.2800e-003	0.0000	13.3722

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.3000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1192	0.1192	0.0000	0.0000	0.1202
Total	5.0000e-005	3.0000e-005	4.3000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1192	0.1192	0.0000	0.0000	0.1202

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
kWh/yr	MT/yr			
0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail				
				0.0000
Total				0.0000

Mitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
kWh/yr	MT/yr			
0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail				
				0.0000
Total				0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2127	0.0000	3.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.5000e-004	7.5000e-004	0.0000	0.0000	8.0000e-004
Unmitigated	0.2127	0.0000	3.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.5000e-004	7.5000e-004	0.0000	0.0000	8.0000e-004

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	0.0487					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1640					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	3.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.5000e-004	7.5000e-004	0.0000	0.0000	8.0000e-004
Total	0.2127	0.0000	3.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.5000e-004	7.5000e-004	0.0000	0.0000	8.0000e-004

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0487					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1640					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	3.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.5000e-004	7.5000e-004	0.0000	0.0000	8.0000e-004
Total	0.2127	0.0000	3.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.5000e-004	7.5000e-004	0.0000	0.0000	8.0000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	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			
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated 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	0.2030	0.0120	0.0000	0.5029
Unmitigated	0.2030	0.0120	0.0000	0.5029

Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Unmitigated

Waste Disposed	Land Use	tons	Total CO2	CH4	N2O	CO2e	
	Land Use	tons	MT/yr				
	Unrefrigerated Warehouse-No Rail	1	0.2030	0.0120	0.0000	0.5029	
	Total		0.2030	0.0120	0.0000	0.5029	

Mitigated

Waste Disposed	Land Use	tons	Total CO2	CH4	N2O	CO2e	
	Land Use	tons	MT/yr				
	Unrefrigerated Warehouse-No Rail	1	0.2030	0.0120	0.0000	0.5029	
	Total		0.2030	0.0120	0.0000	0.5029	

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Forty Mile Water Plant - Yuba County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	805	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	3.9600e-003	0.0177	0.0101	2.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	1.8393	1.8393	2.6000e-004	0.0000	1.8457
Total	3.9600e-003	0.0177	0.0101	2.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	1.8393	1.8393	2.6000e-004	0.0000	1.8457

11.0 Vegetation

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Forty Mile Water Plant
Yuba County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	42.00	1000sqft	0.96	42,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3			Operational Year	2027
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by project engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment -

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Trips and VMT -

Grading - n

Vehicle Trips - Approximately 2 trips per month

Consumer Products -

Area Coating -

Energy Use - Electricity use provided separately

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Off-road Equipment - Provided by project engineer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	100.00	10.00
tblConstructionPhase	NumDays	100.00	5.00
tblConstructionPhase	NumDays	100.00	20.00
tblConstructionPhase	NumDays	100.00	60.00
tblConstructionPhase	NumDays	2.00	30.00
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	PhaseEndDate	7/30/2027	11/25/2026
tblConstructionPhase	PhaseEndDate	5/22/2026	7/1/2026
tblConstructionPhase	PhaseEndDate	10/9/2026	7/8/2026
tblConstructionPhase	PhaseEndDate	2/26/2027	8/5/2026
tblConstructionPhase	PhaseEndDate	7/16/2027	10/28/2026
tblConstructionPhase	PhaseEndDate	1/2/2026	2/11/2026
tblConstructionPhase	PhaseEndDate	7/23/2027	11/11/2026
tblConstructionPhase	PhaseEndDate	1/2/2026	5/6/2026
tblConstructionPhase	PhaseEndDate	1/2/2026	6/17/2026

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	7/24/2027	11/12/2026
tblConstructionPhase	PhaseStartDate	1/3/2026	6/18/2026
tblConstructionPhase	PhaseStartDate	5/23/2026	7/2/2026
tblConstructionPhase	PhaseStartDate	10/10/2026	7/9/2026
tblConstructionPhase	PhaseStartDate	2/27/2027	8/6/2026
tblConstructionPhase	PhaseStartDate	7/17/2027	10/29/2026
tblConstructionPhase	PhaseStartDate	1/3/2026	2/12/2026
tblConstructionPhase	PhaseStartDate	1/3/2026	5/7/2026
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6070e-003	0.00
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	7.9850e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	3.9250e-003	0.00
tblFleetMix	MHD	6.5790e-003	0.00
tblFleetMix	OBUS	5.5800e-004	0.00
tblFleetMix	SBUS	2.2850e-003	0.00
tblFleetMix	UBUS	1.4800e-003	0.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName		Building Foundation and Walls
tblOffRoadEquipment	PhaseName		Generator and Well Pump
tblOffRoadEquipment	PhaseName		Generator and Well Pump
tblOffRoadEquipment	PhaseName		Booster Station
tblOffRoadEquipment	PhaseName		Reservoir Erection
tblOffRoadEquipment	PhaseName		Final Electrical and Painting
tblOffRoadEquipment	PhaseName		Final Electrical and Painting
tblOffRoadEquipment	PhaseName		Reservoir Painting, paving, interior
tblOffRoadEquipment	PhaseName		Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName		Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName		Piping and Electrical
tblOffRoadEquipment	PhaseName		Site Lighting and Tank
tblOffRoadEquipment	PhaseName		Building Foundation and Walls

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	PhaseName	Generator and Well Pump
tblOffRoadEquipment	PhaseName	Booster Station
tblOffRoadEquipment	PhaseName	Final Electrical and Painting
tblOffRoadEquipment	PhaseName	Reservoir Painting, paving, interior
tblOffRoadEquipment	PhaseName	Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName	Booster Station
tblOffRoadEquipment	PhaseName	Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName	Piping and Electrical
tblOffRoadEquipment	PhaseName	Site Lighting and Tank
tblOffRoadEquipment	PhaseName	Final Electrical and Painting
tblOffRoadEquipment	PhaseName	Final Electrical and Painting
tblOffRoadEquipment	PhaseName	Reservoir Painting, paving, interior
tblOffRoadEquipment	PhaseName	Reservoir Painting, paving, interior
tblOffRoadEquipment	PhaseName	Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName	Piping and Electrical
tblOffRoadEquipment	PhaseName	Site Lighting and Tank
tblOffRoadEquipment	PhaseName	Building Foundation and Walls
tblOffRoadEquipment	PhaseName	Generator and Well Pump
tblOffRoadEquipment	PhaseName	Booster Station
tblOffRoadEquipment	PhaseName	Final Electrical and Painting
tblOffRoadEquipment	PhaseName	Reservoir Painting, paving, interior
tblOffRoadEquipment	PhaseName	Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName	Piping and Electrical
tblOffRoadEquipment	PhaseName	Site Lighting and Tank
tblOffRoadEquipment	PhaseName	Building Foundation and Walls
tblOffRoadEquipment	PhaseName	Generator and Well Pump
tblOffRoadEquipment	PhaseName	Booster Station
tblOffRoadEquipment	PhaseName	Reservoir Painting, paving, interior
tblOffRoadEquipment	PhaseName	Rough Grading/Well Drilling

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	PhaseName		Piping and Electrical
tblOffRoadEquipment	PhaseName		Site Lighting and Tank
tblOffRoadEquipment	PhaseName		Final Electrical and Painting
tblOffRoadEquipment	PhaseName		Final Electrical and Painting
tblOffRoadEquipment	PhaseName		Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName		Generator and Well Pump
tblOffRoadEquipment	PhaseName		Booster Station
tblOffRoadEquipment	PhaseName		Reservoir Erection
tblOffRoadEquipment	PhaseName		Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName		Piping and Electrical
tblOffRoadEquipment	PhaseName		Site Lighting and Tank
tblOffRoadEquipment	PhaseName		Building Foundation and Walls
tblOffRoadEquipment	PhaseName		Generator and Well Pump
tblOffRoadEquipment	PhaseName		Booster Station
tblOffRoadEquipment	PhaseName		Reservoir Erection
tblOffRoadEquipment	PhaseName		Final Electrical and Painting
tblOffRoadEquipment	PhaseName		Reservoir Painting, paving, interior
tblOffRoadEquipment	UsageHours	4.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	39.48	1.00
tblVehicleTrips	ST_TR	1.74	2.0000e-003
tblVehicleTrips	SU_TR	1.74	2.0000e-003
tblVehicleTrips	WD_TR	1.74	2.0000e-003

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblWater	IndoorWaterUseRate	9,712,500.00	0.00
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2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	98.4495	25.4980	27.6162	0.0788	5.6405	0.9901	6.6306	2.6557	0.9160	3.5717	0.0000	7,599.1167	7,599.1167	2.3220	0.0255	7,664.7599
Maximum	98.4495	25.4980	27.6162	0.0788	5.6405	0.9901	6.6306	2.6557	0.9160	3.5717	0.0000	7,599.1167	7,599.1167	2.3220	0.0255	7,664.7599

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					
2026	98.4495	25.4980	27.6162	0.0788	5.6405	0.9901	6.6306	2.6557	0.9160	3.5717	0.0000	7,599.1167	7,599.1167	2.3220	0.0255	7,664.7599
Maximum	98.4495	25.4980	27.6162	0.0788	5.6405	0.9901	6.6306	2.6557	0.9160	3.5717	0.0000	7,599.1167	7,599.1167	2.3220	0.0255	7,664.7599

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1659	4.0000e-005	4.2800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.1900e-003	9.1900e-003	2.0000e-005		9.7900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	2.0000e-004	1.0000e-004	1.6200e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004		0.4439	0.4439	1.0000e-005	1.0000e-005	0.4475
Stationary	0.6605	2.9539	1.6842	3.1700e-003		0.0972	0.0972		0.0972	0.0972		337.9044	337.9044	0.0474		339.0888
Total	1.8266	2.9540	1.6901	3.1700e-003	5.1000e-004	0.0972	0.0977	1.4000e-004	0.0972	0.0973		338.3575	338.3575	0.0474	1.0000e-005	339.5461

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1659	4.0000e-005	4.2800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.1900e-003	9.1900e-003	2.0000e-005		9.7900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	2.0000e-004	1.0000e-004	1.6200e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004		0.4439	0.4439	1.0000e-005	1.0000e-005	0.4475
Stationary	0.6605	2.9539	1.6842	3.1700e-003		0.0972	0.0972		0.0972	0.0972		337.9044	337.9044	0.0474		339.0888
Total	1.8266	2.9540	1.6901	3.1700e-003	5.1000e-004	0.0972	0.0977	1.4000e-004	0.0972	0.0973		338.3575	338.3575	0.0474	1.0000e-005	339.5461

	ROG	NOx	CO	SO2	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	Rough Grading/Well Drilling	Grading	1/1/2026	2/11/2026	5	30	
2	Piping and Electrical	Trenching	2/12/2026	5/6/2026	5	60	
3	Site Lighting and Tank	Trenching	5/7/2026	6/17/2026	5	30	
4	Building Foundation and Walls	Building Construction	6/18/2026	7/1/2026	5	10	

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5	Generator and Well Pump	Building Construction	7/2/2026	7/8/2026	5	5
6	Booster Station	Building Construction	7/9/2026	8/5/2026	5	20
7	Reservoir Erection	Building Construction	8/6/2026	10/28/2026	5	60
8	Reservoir Painting, paving, interior	Paving	10/29/2026	11/11/2026	5	10
9	Final Electrical and Painting interior	Architectural Coating	11/12/2026	11/25/2026	5	10

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 22.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 63,000; Non-Residential Indoor: 21,000; Striped Parking Area: 0
 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Rough Grading/Well Drilling	Aerial Lifts	1	6.00	63	0.31
Rough Grading/Well Drilling	Bore/Drill Rigs	1	6.00	221	0.50
Rough Grading/Well Drilling	Dumpers/Tenders	2	6.00	16	0.38
Rough Grading/Well Drilling	Excavators	1	6.00	158	0.38
Rough Grading/Well Drilling	Forklifts	1	6.00	89	0.20
Rough Grading/Well Drilling	Graders	1	6.00	187	0.41
Rough Grading/Well Drilling	Off-Highway Trucks	2	6.00	402	0.38
Rough Grading/Well Drilling	Plate Compactors	1	6.00	8	0.43
Rough Grading/Well Drilling	Rollers	1	6.00	80	0.38
Rough Grading/Well Drilling	Rubber Tired Dozers	1	6.00	247	0.40
Rough Grading/Well Drilling	Tractors/Loaders/Backhoes	3	6.00	97	0.37
Rough Grading/Well Drilling	Welders	1	6.00	46	0.45
Piping and Electrical	Dumpers/Tenders	2	6.00	16	0.38
Piping and Electrical	Forklifts	2	6.00	89	0.20
Piping and Electrical	Off-Highway Trucks	2	6.00	402	0.38

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Piping and Electrical	Plate Compactors	2	6.00	8	0.43
Piping and Electrical	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Lighting and Tank	Dumpers/Tenders	2	6.00	16	0.38
Site Lighting and Tank	Forklifts	2	6.00	89	0.20
Site Lighting and Tank	Off-Highway Trucks	2	6.00	402	0.38
Site Lighting and Tank	Plate Compactors	2	6.00	8	0.43
Site Lighting and Tank	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Foundation and Walls	Aerial Lifts	2	6.00	63	0.31
Building Foundation and Walls	Dumpers/Tenders	3	6.00	16	0.38
Building Foundation and Walls	Forklifts	3	6.00	89	0.20
Building Foundation and Walls	Off-Highway Trucks	3	6.00	402	0.38
Building Foundation and Walls	Plate Compactors	3	6.00	8	0.43
Building Foundation and Walls	Tractors/Loaders/Backhoes	3	6.00	97	0.37
Generator and Well Pump	Aerial Lifts	1	6.00	63	0.31
Generator and Well Pump	Aerial Lifts	1	3.00	63	0.31
Generator and Well Pump	Dumpers/Tenders	1	6.00	16	0.38
Generator and Well Pump	Forklifts	2	6.00	89	0.20
Generator and Well Pump	Off-Highway Trucks	1	6.00	402	0.38
Generator and Well Pump	Plate Compactors	1	6.00	8	0.43
Generator and Well Pump	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Generator and Well Pump	Welders	1	3.00	46	0.45
Booster Station	Aerial Lifts	1	6.00	63	0.31
Booster Station	Dumpers/Tenders	1	6.00	16	0.38
Booster Station	Excavators	1	6.00	158	0.38
Booster Station	Forklifts	2	6.00	89	0.20
Booster Station	Off-Highway Trucks	1	6.00	402	0.38
Booster Station	Plate Compactors	1	6.00	8	0.43
Booster Station	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Booster Station	Welders	1	6.00	46	0.45

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Reservoir Erection	Aerial Lifts	1	6.00	63	0.31
Reservoir Erection	Cranes	1	6.00	231	0.29
Reservoir Erection	Forklifts	1	6.00	89	0.20
Reservoir Erection	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Reservoir Erection	Welders	1	6.00	46	0.45
Final Electrical and Painting	Aerial Lifts	1	3.00	63	0.31
Final Electrical and Painting	Aerial Lifts	2	6.00	63	0.31
Final Electrical and Painting	Dumpers/Tenders	1	2.00	16	0.38
Final Electrical and Painting	Forklifts	1	3.00	89	0.20
Final Electrical and Painting	Forklifts	1	6.00	89	0.20
Final Electrical and Painting	Off-Highway Trucks	1	2.00	402	0.38
Final Electrical and Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37
Final Electrical and Painting	Tractors/Loaders/Backhoes	1	2.00	97	0.37
Reservoir Painting, paving, interior	Aerial Lifts	1	6.00	63	0.31
Reservoir Painting, paving, interior	Dumpers/Tenders	1	6.00	16	0.38
Reservoir Painting, paving, interior	Forklifts	4	6.00	89	0.20
Reservoir Painting, paving, interior	Graders	1	6.00	187	0.41
Reservoir Painting, paving, interior	Off-Highway Trucks	1	6.00	402	0.38
Reservoir Painting, paving, interior	Pavers	1	6.00	130	0.42
Reservoir Painting, paving, interior	Plate Compactors	1	6.00	8	0.43
Reservoir Painting, paving, interior	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Rough Grading/Well Drilling	Off-Highway Trucks	3	6.00	250	0.38
Piping and Electrical	Off-Highway Trucks	3	6.00	250	0.38
Site Lighting and Tank	Off-Highway Trucks	3	6.00	250	0.38
Building Foundation and Walls	Off-Highway Trucks	5	6.00	250	0.38
Generator and Well Pump	Off-Highway Trucks	1	8.00	250	0.38
Booster Station	Off-Highway Trucks	1	6.00	250	0.38
Reservoir Erection	Off-Highway Trucks	1	6.00	250	0.38
Final Electrical and Painting	Off-Highway Trucks	2	6.00	402	0.38

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Reservoir Painting, paving, interior	Off-Highway Trucks	2	8.00	250	0.38
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Rough Grading/Well Drilling	16	40.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Piping and Electrical	10	25.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Lighting and Tank	10	25.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Foundation and Walls	17	18.00	7.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Generator and Well Pump	9	18.00	7.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Booster Station	9	18.00	7.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Reservoir Erection	5	18.00	7.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Electrical and Painting	9	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Reservoir Painting, paving, interior	12	30.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Rough Grading/Well Drilling - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.3119	0.0000	5.3119	2.5686	0.0000	2.5686			0.0000			0.0000
Off-Road	3.2143	25.4395	26.6315	0.0754		0.9887	0.9887		0.9147	0.9147		7,236.5446	7,236.5446	2.2795		7,293.5314
Total	3.2143	25.4395	26.6315	0.0754	5.3119	0.9887	6.3006	2.5686	0.9147	3.4832		7,236.5446	7,236.5446	2.2795		7,293.5314

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1268	0.0586	0.9847	2.7400e-003	0.3286	1.4200e-003	0.3300	0.0872	1.3100e-003	0.0885		288.0274	288.0274	6.6800e-003	6.6500e-003	290.1769
Total	0.1268	0.0586	0.9847	2.7400e-003	0.3286	1.4200e-003	0.3300	0.0872	1.3100e-003	0.0885		288.0274	288.0274	6.6800e-003	6.6500e-003	290.1769

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Rough Grading/Well Drilling - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.3119	0.0000	5.3119	2.5686	0.0000	2.5686			0.0000			0.0000
Off-Road	3.2143	25.4395	26.6315	0.0754		0.9887	0.9887		0.9147	0.9147	0.0000	7,236.5446	7,236.5446	2.2795		7,293.5314
Total	3.2143	25.4395	26.6315	0.0754	5.3119	0.9887	6.3006	2.5686	0.9147	3.4832	0.0000	7,236.5446	7,236.5446	2.2795		7,293.5314

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1268	0.0586	0.9847	2.7400e-003	0.3286	1.4200e-003	0.3300	0.0872	1.3100e-003	0.0885		288.0274	288.0274	6.6800e-003	6.6500e-003	290.1769
Total	0.1268	0.0586	0.9847	2.7400e-003	0.3286	1.4200e-003	0.3300	0.0872	1.3100e-003	0.0885		288.0274	288.0274	6.6800e-003	6.6500e-003	290.1769

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Piping and Electrical - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9157	12.8803	15.1098	0.0470		0.5046	0.5046		0.4675	0.4675		4,515.1749	4,515.1749	1.4292		4,550.9046
Total	1.9157	12.8803	15.1098	0.0470		0.5046	0.5046		0.4675	0.4675		4,515.1749	4,515.1749	1.4292		4,550.9046

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0793	0.0366	0.6154	1.7100e-003	0.2054	8.9000e-004	0.2063	0.0545	8.2000e-004	0.0553		180.0171	180.0171	4.1800e-003	4.1600e-003	181.3605
Total	0.0793	0.0366	0.6154	1.7100e-003	0.2054	8.9000e-004	0.2063	0.0545	8.2000e-004	0.0553		180.0171	180.0171	4.1800e-003	4.1600e-003	181.3605

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Piping and Electrical - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9157	12.8803	15.1098	0.0470		0.5046	0.5046		0.4675	0.4675	0.0000	4,515.1749	4,515.1749	1.4292		4,550.9046
Total	1.9157	12.8803	15.1098	0.0470		0.5046	0.5046		0.4675	0.4675	0.0000	4,515.1749	4,515.1749	1.4292		4,550.9046

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0793	0.0366	0.6154	1.7100e-003	0.2054	8.9000e-004	0.2063	0.0545	8.2000e-004	0.0553		180.0171	180.0171	4.1800e-003	4.1600e-003	181.3605
Total	0.0793	0.0366	0.6154	1.7100e-003	0.2054	8.9000e-004	0.2063	0.0545	8.2000e-004	0.0553		180.0171	180.0171	4.1800e-003	4.1600e-003	181.3605

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Site Lighting and Tank - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9157	12.8803	15.1098	0.0470		0.5046	0.5046		0.4675	0.4675		4,515.1749	4,515.1749	1.4292		4,550.9046
Total	1.9157	12.8803	15.1098	0.0470		0.5046	0.5046		0.4675	0.4675		4,515.1749	4,515.1749	1.4292		4,550.9046

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0793	0.0366	0.6154	1.7100e-003	0.2054	8.9000e-004	0.2063	0.0545	8.2000e-004	0.0553		180.0171	180.0171	4.1800e-003	4.1600e-003	181.3605
Total	0.0793	0.0366	0.6154	1.7100e-003	0.2054	8.9000e-004	0.2063	0.0545	8.2000e-004	0.0553		180.0171	180.0171	4.1800e-003	4.1600e-003	181.3605

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Site Lighting and Tank - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9157	12.8803	15.1098	0.0470		0.5046	0.5046		0.4675	0.4675	0.0000	4,515.1749	4,515.1749	1.4292		4,550.9046
Total	1.9157	12.8803	15.1098	0.0470		0.5046	0.5046		0.4675	0.4675	0.0000	4,515.1749	4,515.1749	1.4292		4,550.9046

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0793	0.0366	0.6154	1.7100e-003	0.2054	8.9000e-004	0.2063	0.0545	8.2000e-004	0.0553		180.0171	180.0171	4.1800e-003	4.1600e-003	181.3605
Total	0.0793	0.0366	0.6154	1.7100e-003	0.2054	8.9000e-004	0.2063	0.0545	8.2000e-004	0.0553		180.0171	180.0171	4.1800e-003	4.1600e-003	181.3605

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Foundation and Walls - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0413	20.8138	25.0670	0.0761		0.7975	0.7975		0.7386	0.7386		7,312.9258	7,312.9258	2.3185		7,370.8879
Total	3.0413	20.8138	25.0670	0.0761		0.7975	0.7975		0.7386	0.7386		7,312.9258	7,312.9258	2.3185		7,370.8879

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2300e-003	0.3797	0.0874	1.4900e-003	0.0472	2.3400e-003	0.0496	0.0136	2.2300e-003	0.0158		156.5786	156.5786	4.9000e-004	0.0225	163.2924
Worker	0.0571	0.0264	0.4431	1.2300e-003	0.1479	6.4000e-004	0.1485	0.0392	5.9000e-004	0.0398		129.6123	129.6123	3.0100e-003	2.9900e-003	130.5796
Total	0.0663	0.4060	0.5305	2.7200e-003	0.1951	2.9800e-003	0.1981	0.0528	2.8200e-003	0.0556		286.1909	286.1909	3.5000e-003	0.0255	293.8720

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Foundation and Walls - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0413	20.8138	25.0670	0.0761		0.7975	0.7975		0.7386	0.7386	0.0000	7,312.9258	7,312.9258	2.3185		7,370.8879
Total	3.0413	20.8138	25.0670	0.0761		0.7975	0.7975		0.7386	0.7386	0.0000	7,312.9258	7,312.9258	2.3185		7,370.8879

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2300e-003	0.3797	0.0874	1.4900e-003	0.0472	2.3400e-003	0.0496	0.0136	2.2300e-003	0.0158		156.5786	156.5786	4.9000e-004	0.0225	163.2924
Worker	0.0571	0.0264	0.4431	1.2300e-003	0.1479	6.4000e-004	0.1485	0.0392	5.9000e-004	0.0398		129.6123	129.6123	3.0100e-003	2.9900e-003	130.5796
Total	0.0663	0.4060	0.5305	2.7200e-003	0.1951	2.9800e-003	0.1981	0.0528	2.8200e-003	0.0556		286.1909	286.1909	3.5000e-003	0.0255	293.8720

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Generator and Well Pump - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1048	7.9051	9.9967	0.0265		0.3014	0.3014		0.2802	0.2802		2,530.6175	2,530.6175	0.7851		2,550.2457
Total	1.1048	7.9051	9.9967	0.0265		0.3014	0.3014		0.2802	0.2802		2,530.6175	2,530.6175	0.7851		2,550.2457

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2300e-003	0.3797	0.0874	1.4900e-003	0.0472	2.3400e-003	0.0496	0.0136	2.2300e-003	0.0158		156.5786	156.5786	4.9000e-004	0.0225	163.2924
Worker	0.0571	0.0264	0.4431	1.2300e-003	0.1479	6.4000e-004	0.1485	0.0392	5.9000e-004	0.0398		129.6123	129.6123	3.0100e-003	2.9900e-003	130.5796
Total	0.0663	0.4060	0.5305	2.7200e-003	0.1951	2.9800e-003	0.1981	0.0528	2.8200e-003	0.0556		286.1909	286.1909	3.5000e-003	0.0255	293.8720

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Generator and Well Pump - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1048	7.9051	9.9967	0.0265		0.3014	0.3014		0.2802	0.2802	0.0000	2,530.6175	2,530.6175	0.7851		2,550.2457
Total	1.1048	7.9051	9.9967	0.0265		0.3014	0.3014		0.2802	0.2802	0.0000	2,530.6175	2,530.6175	0.7851		2,550.2457

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2300e-003	0.3797	0.0874	1.4900e-003	0.0472	2.3400e-003	0.0496	0.0136	2.2300e-003	0.0158		156.5786	156.5786	4.9000e-004	0.0225	163.2924
Worker	0.0571	0.0264	0.4431	1.2300e-003	0.1479	6.4000e-004	0.1485	0.0392	5.9000e-004	0.0398		129.6123	129.6123	3.0100e-003	2.9900e-003	130.5796
Total	0.0663	0.4060	0.5305	2.7200e-003	0.1951	2.9800e-003	0.1981	0.0528	2.8200e-003	0.0556		286.1909	286.1909	3.5000e-003	0.0255	293.8720

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Booster Station - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2220	8.6543	12.1410	0.0287		0.3402	0.3402		0.3170	0.3170		2,725.2035	2,725.2035	0.8303		2,745.9607
Total	1.2220	8.6543	12.1410	0.0287		0.3402	0.3402		0.3170	0.3170		2,725.2035	2,725.2035	0.8303		2,745.9607

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2300e-003	0.3797	0.0874	1.4900e-003	0.0472	2.3400e-003	0.0496	0.0136	2.2300e-003	0.0158		156.5786	156.5786	4.9000e-004	0.0225	163.2924
Worker	0.0571	0.0264	0.4431	1.2300e-003	0.1479	6.4000e-004	0.1485	0.0392	5.9000e-004	0.0398		129.6123	129.6123	3.0100e-003	2.9900e-003	130.5796
Total	0.0663	0.4060	0.5305	2.7200e-003	0.1951	2.9800e-003	0.1981	0.0528	2.8200e-003	0.0556		286.1909	286.1909	3.5000e-003	0.0255	293.8720

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Booster Station - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2220	8.6543	12.1410	0.0287		0.3402	0.3402		0.3170	0.3170	0.0000	2,725.2035	2,725.2035	0.8303		2,745.9607
Total	1.2220	8.6543	12.1410	0.0287		0.3402	0.3402		0.3170	0.3170	0.0000	2,725.2035	2,725.2035	0.8303		2,745.9607

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2300e-003	0.3797	0.0874	1.4900e-003	0.0472	2.3400e-003	0.0496	0.0136	2.2300e-003	0.0158		156.5786	156.5786	4.9000e-004	0.0225	163.2924
Worker	0.0571	0.0264	0.4431	1.2300e-003	0.1479	6.4000e-004	0.1485	0.0392	5.9000e-004	0.0398		129.6123	129.6123	3.0100e-003	2.9900e-003	130.5796
Total	0.0663	0.4060	0.5305	2.7200e-003	0.1951	2.9800e-003	0.1981	0.0528	2.8200e-003	0.0556		286.1909	286.1909	3.5000e-003	0.0255	293.8720

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Reservoir Erection - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8227	6.8137	7.4134	0.0171		0.2663	0.2663		0.2474	0.2474		1,626.7253	1,626.7253	0.4906		1,638.9896
Total	0.8227	6.8137	7.4134	0.0171		0.2663	0.2663		0.2474	0.2474		1,626.7253	1,626.7253	0.4906		1,638.9896

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2300e-003	0.3797	0.0874	1.4900e-003	0.0472	2.3400e-003	0.0496	0.0136	2.2300e-003	0.0158		156.5786	156.5786	4.9000e-004	0.0225	163.2924
Worker	0.0571	0.0264	0.4431	1.2300e-003	0.1479	6.4000e-004	0.1485	0.0392	5.9000e-004	0.0398		129.6123	129.6123	3.0100e-003	2.9900e-003	130.5796
Total	0.0663	0.4060	0.5305	2.7200e-003	0.1951	2.9800e-003	0.1981	0.0528	2.8200e-003	0.0556		286.1909	286.1909	3.5000e-003	0.0255	293.8720

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Reservoir Erection - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8227	6.8137	7.4134	0.0171		0.2663	0.2663		0.2474	0.2474	0.0000	1,626.7253	1,626.7253	0.4906		1,638.9896
Total	0.8227	6.8137	7.4134	0.0171		0.2663	0.2663		0.2474	0.2474	0.0000	1,626.7253	1,626.7253	0.4906		1,638.9896

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2300e-003	0.3797	0.0874	1.4900e-003	0.0472	2.3400e-003	0.0496	0.0136	2.2300e-003	0.0158		156.5786	156.5786	4.9000e-004	0.0225	163.2924
Worker	0.0571	0.0264	0.4431	1.2300e-003	0.1479	6.4000e-004	0.1485	0.0392	5.9000e-004	0.0398		129.6123	129.6123	3.0100e-003	2.9900e-003	130.5796
Total	0.0663	0.4060	0.5305	2.7200e-003	0.1951	2.9800e-003	0.1981	0.0528	2.8200e-003	0.0556		286.1909	286.1909	3.5000e-003	0.0255	293.8720

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 Reservoir Painting, paving, interior - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9140	15.1165	17.7505	0.0462		0.6008	0.6008		0.5543	0.5543		4,451.800 2	4,451.800 2	1.4243		4,487.406 4
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9140	15.1165	17.7505	0.0462		0.6008	0.6008		0.5543	0.5543		4,451.800 2	4,451.800 2	1.4243		4,487.406 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0951	0.0439	0.7385	2.0600e-003	0.2464	1.0700e-003	0.2475	0.0654	9.8000e-004	0.0664		216.0205	216.0205	5.0100e-003	4.9900e-003	217.6327
Total	0.0951	0.0439	0.7385	2.0600e-003	0.2464	1.0700e-003	0.2475	0.0654	9.8000e-004	0.0664		216.0205	216.0205	5.0100e-003	4.9900e-003	217.6327

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 Reservoir Painting, paving, interior - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9140	15.1165	17.7505	0.0462		0.6008	0.6008		0.5543	0.5543	0.0000	4,451.800 2	4,451.800 2	1.4243		4,487.406 4
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9140	15.1165	17.7505	0.0462		0.6008	0.6008		0.5543	0.5543	0.0000	4,451.800 2	4,451.800 2	1.4243		4,487.406 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0951	0.0439	0.7385	2.0600e-003	0.2464	1.0700e-003	0.2475	0.0654	9.8000e-004	0.0664		216.0205	216.0205	5.0100e-003	4.9900e-003	217.6327
Total	0.0951	0.0439	0.7385	2.0600e-003	0.2464	1.0700e-003	0.2475	0.0654	9.8000e-004	0.0664		216.0205	216.0205	5.0100e-003	4.9900e-003	217.6327

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.10 Final Electrical and Painting - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	97.3350					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.1019	7.8843	10.3758	0.0303		0.2842	0.2842		0.2618	0.2618		2,924.4965	2,924.4965	0.9426		2,948.0602
Total	98.4369	7.8843	10.3758	0.0303		0.2842	0.2842		0.2618	0.2618		2,924.4965	2,924.4965	0.9426		2,948.0602

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0127	5.8600e-003	0.0985	2.7000e-004	0.0329	1.4000e-004	0.0330	8.7200e-003	1.3000e-004	8.8500e-003		28.8027	28.8027	6.7000e-004	6.7000e-004	29.0177
Total	0.0127	5.8600e-003	0.0985	2.7000e-004	0.0329	1.4000e-004	0.0330	8.7200e-003	1.3000e-004	8.8500e-003		28.8027	28.8027	6.7000e-004	6.7000e-004	29.0177

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.10 Final Electrical and Painting - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	97.3350					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.1019	7.8843	10.3758	0.0303		0.2842	0.2842		0.2618	0.2618	0.0000	2,924.4965	2,924.4965	0.9426		2,948.0602
Total	98.4369	7.8843	10.3758	0.0303		0.2842	0.2842		0.2618	0.2618	0.0000	2,924.4965	2,924.4965	0.9426		2,948.0602

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0127	5.8600e-003	0.0985	2.7000e-004	0.0329	1.4000e-004	0.0330	8.7200e-003	1.3000e-004	8.8500e-003		28.8027	28.8027	6.7000e-004	6.7000e-004	29.0177
Total	0.0127	5.8600e-003	0.0985	2.7000e-004	0.0329	1.4000e-004	0.0330	8.7200e-003	1.3000e-004	8.8500e-003		28.8027	28.8027	6.7000e-004	6.7000e-004	29.0177

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Natural Gas 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	0.0000
Natural Gas 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	0.0000

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated 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

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated 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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1659	4.0000e-005	4.2800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.1900e-003	9.1900e-003	2.0000e-005		9.7900e-003
Unmitigated	1.1659	4.0000e-005	4.2800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.1900e-003	9.1900e-003	2.0000e-005		9.7900e-003

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2667					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8988					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-004	4.0000e-005	4.2800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.1900e-003	9.1900e-003	2.0000e-005		9.7900e-003
Total	1.1659	4.0000e-005	4.2800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.1900e-003	9.1900e-003	2.0000e-005		9.7900e-003

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2667					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8988					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-004	4.0000e-005	4.2800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.1900e-003	9.1900e-003	2.0000e-005		9.7900e-003
Total	1.1659	4.0000e-005	4.2800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.1900e-003	9.1900e-003	2.0000e-005		9.7900e-003

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

Forty Mile Water Plant - Yuba County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	805	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 (750 - 9999 HP)	0.6605	2.9539	1.6842	3.1700e-003		0.0972	0.0972		0.0972	0.0972		337.9044	337.9044	0.0474		339.0888
Total	0.6605	2.9539	1.6842	3.1700e-003		0.0972	0.0972		0.0972	0.0972		337.9044	337.9044	0.0474		339.0888

11.0 Vegetation

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Forty Mile Water Plant
Yuba County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	42.00	1000sqft	0.96	42,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	72
Climate Zone	3	Operational Year		2027	
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Provided by project engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment -

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Off-road Equipment - Provided by engineer

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Trips and VMT -

Grading - n

Vehicle Trips - Approximately 2 trips per month

Consumer Products -

Area Coating -

Energy Use - Electricity use provided separately

Water And Wastewater - n/a

Solid Waste - n/a

Fleet Mix - Light duty maintenance

Stationary Sources - Emergency Generators and Fire Pumps -

Off-road Equipment - Provided by project engineer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	100.00	10.00
tblConstructionPhase	NumDays	100.00	5.00
tblConstructionPhase	NumDays	100.00	20.00
tblConstructionPhase	NumDays	100.00	60.00
tblConstructionPhase	NumDays	2.00	30.00
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	PhaseEndDate	7/30/2027	11/25/2026
tblConstructionPhase	PhaseEndDate	5/22/2026	7/1/2026
tblConstructionPhase	PhaseEndDate	10/9/2026	7/8/2026
tblConstructionPhase	PhaseEndDate	2/26/2027	8/5/2026
tblConstructionPhase	PhaseEndDate	7/16/2027	10/28/2026
tblConstructionPhase	PhaseEndDate	1/2/2026	2/11/2026
tblConstructionPhase	PhaseEndDate	7/23/2027	11/11/2026
tblConstructionPhase	PhaseEndDate	1/2/2026	5/6/2026
tblConstructionPhase	PhaseEndDate	1/2/2026	6/17/2026

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	7/24/2027	11/12/2026
tblConstructionPhase	PhaseStartDate	1/3/2026	6/18/2026
tblConstructionPhase	PhaseStartDate	5/23/2026	7/2/2026
tblConstructionPhase	PhaseStartDate	10/10/2026	7/9/2026
tblConstructionPhase	PhaseStartDate	2/27/2027	8/6/2026
tblConstructionPhase	PhaseStartDate	7/17/2027	10/29/2026
tblConstructionPhase	PhaseStartDate	1/3/2026	2/12/2026
tblConstructionPhase	PhaseStartDate	1/3/2026	5/7/2026
tblEnergyUse	LightingElect	3.22	0.00
tblEnergyUse	NT24E	5.13	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	0.93	0.00
tblEnergyUse	T24NG	16.86	0.00
tblFleetMix	HHD	5.6070e-003	0.00
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDT1	0.05	1.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	7.9850e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	3.9250e-003	0.00
tblFleetMix	MHD	6.5790e-003	0.00
tblFleetMix	OBUS	5.5800e-004	0.00
tblFleetMix	SBUS	2.2850e-003	0.00
tblFleetMix	UBUS	1.4800e-003	0.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00
tblOffRoadEquipment	HorsePower	402.00	250.00

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName		Building Foundation and Walls
tblOffRoadEquipment	PhaseName		Generator and Well Pump
tblOffRoadEquipment	PhaseName		Generator and Well Pump
tblOffRoadEquipment	PhaseName		Booster Station
tblOffRoadEquipment	PhaseName		Reservoir Erection
tblOffRoadEquipment	PhaseName		Final Electrical and Painting
tblOffRoadEquipment	PhaseName		Final Electrical and Painting
tblOffRoadEquipment	PhaseName		Reservoir Painting, paving, interior
tblOffRoadEquipment	PhaseName		Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName		Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName		Piping and Electrical
tblOffRoadEquipment	PhaseName		Site Lighting and Tank
tblOffRoadEquipment	PhaseName		Building Foundation and Walls

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	PhaseName	Generator and Well Pump
tblOffRoadEquipment	PhaseName	Booster Station
tblOffRoadEquipment	PhaseName	Final Electrical and Painting
tblOffRoadEquipment	PhaseName	Reservoir Painting, paving, interior
tblOffRoadEquipment	PhaseName	Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName	Booster Station
tblOffRoadEquipment	PhaseName	Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName	Piping and Electrical
tblOffRoadEquipment	PhaseName	Site Lighting and Tank
tblOffRoadEquipment	PhaseName	Final Electrical and Painting
tblOffRoadEquipment	PhaseName	Final Electrical and Painting
tblOffRoadEquipment	PhaseName	Reservoir Painting, paving, interior
tblOffRoadEquipment	PhaseName	Reservoir Painting, paving, interior
tblOffRoadEquipment	PhaseName	Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName	Piping and Electrical
tblOffRoadEquipment	PhaseName	Site Lighting and Tank
tblOffRoadEquipment	PhaseName	Building Foundation and Walls
tblOffRoadEquipment	PhaseName	Generator and Well Pump
tblOffRoadEquipment	PhaseName	Booster Station
tblOffRoadEquipment	PhaseName	Final Electrical and Painting
tblOffRoadEquipment	PhaseName	Reservoir Painting, paving, interior
tblOffRoadEquipment	PhaseName	Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName	Piping and Electrical
tblOffRoadEquipment	PhaseName	Site Lighting and Tank
tblOffRoadEquipment	PhaseName	Building Foundation and Walls
tblOffRoadEquipment	PhaseName	Generator and Well Pump
tblOffRoadEquipment	PhaseName	Booster Station
tblOffRoadEquipment	PhaseName	Reservoir Painting, paving, interior
tblOffRoadEquipment	PhaseName	Rough Grading/Well Drilling

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	PhaseName		Piping and Electrical
tblOffRoadEquipment	PhaseName		Site Lighting and Tank
tblOffRoadEquipment	PhaseName		Final Electrical and Painting
tblOffRoadEquipment	PhaseName		Final Electrical and Painting
tblOffRoadEquipment	PhaseName		Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName		Generator and Well Pump
tblOffRoadEquipment	PhaseName		Booster Station
tblOffRoadEquipment	PhaseName		Reservoir Erection
tblOffRoadEquipment	PhaseName		Rough Grading/Well Drilling
tblOffRoadEquipment	PhaseName		Piping and Electrical
tblOffRoadEquipment	PhaseName		Site Lighting and Tank
tblOffRoadEquipment	PhaseName		Building Foundation and Walls
tblOffRoadEquipment	PhaseName		Generator and Well Pump
tblOffRoadEquipment	PhaseName		Booster Station
tblOffRoadEquipment	PhaseName		Reservoir Erection
tblOffRoadEquipment	PhaseName		Final Electrical and Painting
tblOffRoadEquipment	PhaseName		Reservoir Painting, paving, interior
tblOffRoadEquipment	UsageHours	4.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblSolidWaste	SolidWasteGenerationRate	39.48	1.00
tblVehicleTrips	ST_TR	1.74	2.0000e-003
tblVehicleTrips	SU_TR	1.74	2.0000e-003
tblVehicleTrips	WD_TR	1.74	2.0000e-003

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblWater	IndoorWaterUseRate	9,712,500.00	0.00
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2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	98.4480	25.5124	27.4976	0.0787	5.6405	0.9901	6.6306	2.6557	0.9160	3.5717	0.0000	7,584.9380	7,584.9380	2.3225	0.0260	7,650.7509
Maximum	98.4480	25.5124	27.4976	0.0787	5.6405	0.9901	6.6306	2.6557	0.9160	3.5717	0.0000	7,584.9380	7,584.9380	2.3225	0.0260	7,650.7509

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					
2026	98.4480	25.5124	27.4976	0.0787	5.6405	0.9901	6.6306	2.6557	0.9160	3.5717	0.0000	7,584.9380	7,584.9380	2.3225	0.0260	7,650.7509
Maximum	98.4480	25.5124	27.4976	0.0787	5.6405	0.9901	6.6306	2.6557	0.9160	3.5717	0.0000	7,584.9380	7,584.9380	2.3225	0.0260	7,650.7509

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1659	4.0000e-005	4.2800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.1900e-003	9.1900e-003	2.0000e-005		9.7900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	1.3000e-004	1.2000e-004	1.4700e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004		0.3973	0.3973	2.0000e-005	1.0000e-005	0.4016
Stationary	0.6605	2.9539	1.6842	3.1700e-003		0.0972	0.0972		0.0972	0.0972		337.9044	337.9044	0.0474		339.0888
Total	1.8265	2.9540	1.6900	3.1700e-003	5.1000e-004	0.0972	0.0977	1.4000e-004	0.0972	0.0973		338.3109	338.3109	0.0474	1.0000e-005	339.5001

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1659	4.0000e-005	4.2800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.1900e-003	9.1900e-003	2.0000e-005		9.7900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	1.3000e-004	1.2000e-004	1.4700e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004		0.3973	0.3973	2.0000e-005	1.0000e-005	0.4016
Stationary	0.6605	2.9539	1.6842	3.1700e-003		0.0972	0.0972		0.0972	0.0972		337.9044	337.9044	0.0474		339.0888
Total	1.8265	2.9540	1.6900	3.1700e-003	5.1000e-004	0.0972	0.0977	1.4000e-004	0.0972	0.0973		338.3109	338.3109	0.0474	1.0000e-005	339.5001

	ROG	NOx	CO	SO2	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	Rough Grading/Well Drilling	Grading	1/1/2026	2/11/2026	5	30	
2	Piping and Electrical	Trenching	2/12/2026	5/6/2026	5	60	
3	Site Lighting and Tank	Trenching	5/7/2026	6/17/2026	5	30	
4	Building Foundation and Walls	Building Construction	6/18/2026	7/1/2026	5	10	

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5	Generator and Well Pump	Building Construction	7/2/2026	7/8/2026	5	5
6	Booster Station	Building Construction	7/9/2026	8/5/2026	5	20
7	Reservoir Erection	Building Construction	8/6/2026	10/28/2026	5	60
8	Reservoir Painting, paving, interior	Paving	10/29/2026	11/11/2026	5	10
9	Final Electrical and Painting	Architectural Coating	11/12/2026	11/25/2026	5	10

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 22.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 63,000; Non-Residential Indoor: 21,000; Striped Parking Area: 0
 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Rough Grading/Well Drilling	Aerial Lifts	1	6.00	63	0.31
Rough Grading/Well Drilling	Bore/Drill Rigs	1	6.00	221	0.50
Rough Grading/Well Drilling	Dumpers/Tenders	2	6.00	16	0.38
Rough Grading/Well Drilling	Excavators	1	6.00	158	0.38
Rough Grading/Well Drilling	Forklifts	1	6.00	89	0.20
Rough Grading/Well Drilling	Graders	1	6.00	187	0.41
Rough Grading/Well Drilling	Off-Highway Trucks	2	6.00	402	0.38
Rough Grading/Well Drilling	Plate Compactors	1	6.00	8	0.43
Rough Grading/Well Drilling	Rollers	1	6.00	80	0.38
Rough Grading/Well Drilling	Rubber Tired Dozers	1	6.00	247	0.40
Rough Grading/Well Drilling	Tractors/Loaders/Backhoes	3	6.00	97	0.37
Rough Grading/Well Drilling	Welders	1	6.00	46	0.45
Piping and Electrical	Dumpers/Tenders	2	6.00	16	0.38
Piping and Electrical	Forklifts	2	6.00	89	0.20
Piping and Electrical	Off-Highway Trucks	2	6.00	402	0.38

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Piping and Electrical	Plate Compactors	2	6.00	8	0.43
Piping and Electrical	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Lighting and Tank	Dumpers/Tenders	2	6.00	16	0.38
Site Lighting and Tank	Forklifts	2	6.00	89	0.20
Site Lighting and Tank	Off-Highway Trucks	2	6.00	402	0.38
Site Lighting and Tank	Plate Compactors	2	6.00	8	0.43
Site Lighting and Tank	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Foundation and Walls	Aerial Lifts	2	6.00	63	0.31
Building Foundation and Walls	Dumpers/Tenders	3	6.00	16	0.38
Building Foundation and Walls	Forklifts	3	6.00	89	0.20
Building Foundation and Walls	Off-Highway Trucks	3	6.00	402	0.38
Building Foundation and Walls	Plate Compactors	3	6.00	8	0.43
Building Foundation and Walls	Tractors/Loaders/Backhoes	3	6.00	97	0.37
Generator and Well Pump	Aerial Lifts	1	6.00	63	0.31
Generator and Well Pump	Aerial Lifts	1	3.00	63	0.31
Generator and Well Pump	Dumpers/Tenders	1	6.00	16	0.38
Generator and Well Pump	Forklifts	2	6.00	89	0.20
Generator and Well Pump	Off-Highway Trucks	1	6.00	402	0.38
Generator and Well Pump	Plate Compactors	1	6.00	8	0.43
Generator and Well Pump	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Generator and Well Pump	Welders	1	3.00	46	0.45
Booster Station	Aerial Lifts	1	6.00	63	0.31
Booster Station	Dumpers/Tenders	1	6.00	16	0.38
Booster Station	Excavators	1	6.00	158	0.38
Booster Station	Forklifts	2	6.00	89	0.20
Booster Station	Off-Highway Trucks	1	6.00	402	0.38
Booster Station	Plate Compactors	1	6.00	8	0.43
Booster Station	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Booster Station	Welders	1	6.00	46	0.45

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Reservoir Erection	Aerial Lifts	1	6.00	63	0.31
Reservoir Erection	Cranes	1	6.00	231	0.29
Reservoir Erection	Forklifts	1	6.00	89	0.20
Reservoir Erection	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Reservoir Erection	Welders	1	6.00	46	0.45
Final Electrical and Painting	Aerial Lifts	1	3.00	63	0.31
Final Electrical and Painting	Aerial Lifts	2	6.00	63	0.31
Final Electrical and Painting	Dumpers/Tenders	1	2.00	16	0.38
Final Electrical and Painting	Forklifts	1	3.00	89	0.20
Final Electrical and Painting	Forklifts	1	6.00	89	0.20
Final Electrical and Painting	Off-Highway Trucks	1	2.00	402	0.38
Final Electrical and Painting	Tractors/Loaders/Backhoes	1	3.00	97	0.37
Final Electrical and Painting	Tractors/Loaders/Backhoes	1	2.00	97	0.37
Reservoir Painting, paving, interior	Aerial Lifts	1	6.00	63	0.31
Reservoir Painting, paving, interior	Dumpers/Tenders	1	6.00	16	0.38
Reservoir Painting, paving, interior	Forklifts	4	6.00	89	0.20
Reservoir Painting, paving, interior	Graders	1	6.00	187	0.41
Reservoir Painting, paving, interior	Off-Highway Trucks	1	6.00	402	0.38
Reservoir Painting, paving, interior	Pavers	1	6.00	130	0.42
Reservoir Painting, paving, interior	Plate Compactors	1	6.00	8	0.43
Reservoir Painting, paving, interior	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Rough Grading/Well Drilling	Off-Highway Trucks	3	6.00	250	0.38
Piping and Electrical	Off-Highway Trucks	3	6.00	250	0.38
Site Lighting and Tank	Off-Highway Trucks	3	6.00	250	0.38
Building Foundation and Walls	Off-Highway Trucks	5	6.00	250	0.38
Generator and Well Pump	Off-Highway Trucks	1	8.00	250	0.38
Booster Station	Off-Highway Trucks	1	6.00	250	0.38
Reservoir Erection	Off-Highway Trucks	1	6.00	250	0.38
Final Electrical and Painting	Off-Highway Trucks	2	6.00	402	0.38

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Reservoir Painting, paving, interior	Off-Highway Trucks	2	8.00	250	0.38
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Rough Grading/Well Drilling	16	40.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Piping and Electrical	10	25.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Lighting and Tank	10	25.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Foundation and Walls	17	18.00	7.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Generator and Well Pump	9	18.00	7.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Booster Station	9	18.00	7.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Reservoir Erection	5	18.00	7.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Final Electrical and Painting	9	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Reservoir Painting, paving, interior	12	30.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Rough Grading/Well Drilling - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.3119	0.0000	5.3119	2.5686	0.0000	2.5686			0.0000			0.0000
Off-Road	3.2143	25.4395	26.6315	0.0754		0.9887	0.9887		0.9147	0.9147		7,236.5446	7,236.5446	2.2795		7,293.5314
Total	3.2143	25.4395	26.6315	0.0754	5.3119	0.9887	6.3006	2.5686	0.9147	3.4832		7,236.5446	7,236.5446	2.2795		7,293.5314

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1112	0.0730	0.8661	2.4400e-003	0.3286	1.4200e-003	0.3300	0.0872	1.3100e-003	0.0885		256.1929	256.1929	7.8400e-003	7.7000e-003	258.6849
Total	0.1112	0.0730	0.8661	2.4400e-003	0.3286	1.4200e-003	0.3300	0.0872	1.3100e-003	0.0885		256.1929	256.1929	7.8400e-003	7.7000e-003	258.6849

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Rough Grading/Well Drilling - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.3119	0.0000	5.3119	2.5686	0.0000	2.5686			0.0000			0.0000
Off-Road	3.2143	25.4395	26.6315	0.0754		0.9887	0.9887		0.9147	0.9147	0.0000	7,236.5446	7,236.5446	2.2795		7,293.5314
Total	3.2143	25.4395	26.6315	0.0754	5.3119	0.9887	6.3006	2.5686	0.9147	3.4832	0.0000	7,236.5446	7,236.5446	2.2795		7,293.5314

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1112	0.0730	0.8661	2.4400e-003	0.3286	1.4200e-003	0.3300	0.0872	1.3100e-003	0.0885		256.1929	256.1929	7.8400e-003	7.7000e-003	258.6849
Total	0.1112	0.0730	0.8661	2.4400e-003	0.3286	1.4200e-003	0.3300	0.0872	1.3100e-003	0.0885		256.1929	256.1929	7.8400e-003	7.7000e-003	258.6849

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Piping and Electrical - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9157	12.8803	15.1098	0.0470		0.5046	0.5046		0.4675	0.4675		4,515.1749	4,515.1749	1.4292		4,550.9046
Total	1.9157	12.8803	15.1098	0.0470		0.5046	0.5046		0.4675	0.4675		4,515.1749	4,515.1749	1.4292		4,550.9046

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0695	0.0456	0.5413	1.5200e-003	0.2054	8.9000e-004	0.2063	0.0545	8.2000e-004	0.0553		160.1206	160.1206	4.9000e-003	4.8200e-003	161.6780
Total	0.0695	0.0456	0.5413	1.5200e-003	0.2054	8.9000e-004	0.2063	0.0545	8.2000e-004	0.0553		160.1206	160.1206	4.9000e-003	4.8200e-003	161.6780

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Piping and Electrical - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9157	12.8803	15.1098	0.0470		0.5046	0.5046		0.4675	0.4675	0.0000	4,515.1749	4,515.1749	1.4292		4,550.9046
Total	1.9157	12.8803	15.1098	0.0470		0.5046	0.5046		0.4675	0.4675	0.0000	4,515.1749	4,515.1749	1.4292		4,550.9046

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0695	0.0456	0.5413	1.5200e-003	0.2054	8.9000e-004	0.2063	0.0545	8.2000e-004	0.0553		160.1206	160.1206	4.9000e-003	4.8200e-003	161.6780
Total	0.0695	0.0456	0.5413	1.5200e-003	0.2054	8.9000e-004	0.2063	0.0545	8.2000e-004	0.0553		160.1206	160.1206	4.9000e-003	4.8200e-003	161.6780

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Site Lighting and Tank - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9157	12.8803	15.1098	0.0470		0.5046	0.5046		0.4675	0.4675		4,515.1749	4,515.1749	1.4292		4,550.9046
Total	1.9157	12.8803	15.1098	0.0470		0.5046	0.5046		0.4675	0.4675		4,515.1749	4,515.1749	1.4292		4,550.9046

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0695	0.0456	0.5413	1.5200e-003	0.2054	8.9000e-004	0.2063	0.0545	8.2000e-004	0.0553		160.1206	160.1206	4.9000e-003	4.8200e-003	161.6780
Total	0.0695	0.0456	0.5413	1.5200e-003	0.2054	8.9000e-004	0.2063	0.0545	8.2000e-004	0.0553		160.1206	160.1206	4.9000e-003	4.8200e-003	161.6780

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Site Lighting and Tank - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9157	12.8803	15.1098	0.0470		0.5046	0.5046		0.4675	0.4675	0.0000	4,515.1749	4,515.1749	1.4292		4,550.9046
Total	1.9157	12.8803	15.1098	0.0470		0.5046	0.5046		0.4675	0.4675	0.0000	4,515.1749	4,515.1749	1.4292		4,550.9046

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0695	0.0456	0.5413	1.5200e-003	0.2054	8.9000e-004	0.2063	0.0545	8.2000e-004	0.0553		160.1206	160.1206	4.9000e-003	4.8200e-003	161.6780
Total	0.0695	0.0456	0.5413	1.5200e-003	0.2054	8.9000e-004	0.2063	0.0545	8.2000e-004	0.0553		160.1206	160.1206	4.9000e-003	4.8200e-003	161.6780

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Foundation and Walls - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0413	20.8138	25.0670	0.0761		0.7975	0.7975		0.7386	0.7386		7,312.9258	7,312.9258	2.3185		7,370.8879
Total	3.0413	20.8138	25.0670	0.0761		0.7975	0.7975		0.7386	0.7386		7,312.9258	7,312.9258	2.3185		7,370.8879

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.9500e-003	0.4092	0.0912	1.4900e-003	0.0472	2.3500e-003	0.0496	0.0136	2.2500e-003	0.0158		156.7254	156.7254	4.7000e-004	0.0225	163.4548
Worker	0.0501	0.0328	0.3897	1.1000e-003	0.1479	6.4000e-004	0.1485	0.0392	5.9000e-004	0.0398		115.2868	115.2868	3.5300e-003	3.4700e-003	116.4082
Total	0.0590	0.4421	0.4809	2.5900e-003	0.1951	2.9900e-003	0.1981	0.0528	2.8400e-003	0.0556		272.0122	272.0122	4.0000e-003	0.0260	279.8630

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Foundation and Walls - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0413	20.8138	25.0670	0.0761		0.7975	0.7975		0.7386	0.7386	0.0000	7,312.9258	7,312.9258	2.3185		7,370.8879
Total	3.0413	20.8138	25.0670	0.0761		0.7975	0.7975		0.7386	0.7386	0.0000	7,312.9258	7,312.9258	2.3185		7,370.8879

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.9500e-003	0.4092	0.0912	1.4900e-003	0.0472	2.3500e-003	0.0496	0.0136	2.2500e-003	0.0158		156.7254	156.7254	4.7000e-004	0.0225	163.4548
Worker	0.0501	0.0328	0.3897	1.1000e-003	0.1479	6.4000e-004	0.1485	0.0392	5.9000e-004	0.0398		115.2868	115.2868	3.5300e-003	3.4700e-003	116.4082
Total	0.0590	0.4421	0.4809	2.5900e-003	0.1951	2.9900e-003	0.1981	0.0528	2.8400e-003	0.0556		272.0122	272.0122	4.0000e-003	0.0260	279.8630

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Generator and Well Pump - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1048	7.9051	9.9967	0.0265		0.3014	0.3014		0.2802	0.2802		2,530.6175	2,530.6175	0.7851		2,550.2457
Total	1.1048	7.9051	9.9967	0.0265		0.3014	0.3014		0.2802	0.2802		2,530.6175	2,530.6175	0.7851		2,550.2457

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.9500e-003	0.4092	0.0912	1.4900e-003	0.0472	2.3500e-003	0.0496	0.0136	2.2500e-003	0.0158		156.7254	156.7254	4.7000e-004	0.0225	163.4548
Worker	0.0501	0.0328	0.3897	1.1000e-003	0.1479	6.4000e-004	0.1485	0.0392	5.9000e-004	0.0398		115.2868	115.2868	3.5300e-003	3.4700e-003	116.4082
Total	0.0590	0.4421	0.4809	2.5900e-003	0.1951	2.9900e-003	0.1981	0.0528	2.8400e-003	0.0556		272.0122	272.0122	4.0000e-003	0.0260	279.8630

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Generator and Well Pump - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1048	7.9051	9.9967	0.0265		0.3014	0.3014		0.2802	0.2802	0.0000	2,530.6175	2,530.6175	0.7851		2,550.2457
Total	1.1048	7.9051	9.9967	0.0265		0.3014	0.3014		0.2802	0.2802	0.0000	2,530.6175	2,530.6175	0.7851		2,550.2457

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.9500e-003	0.4092	0.0912	1.4900e-003	0.0472	2.3500e-003	0.0496	0.0136	2.2500e-003	0.0158		156.7254	156.7254	4.7000e-004	0.0225	163.4548
Worker	0.0501	0.0328	0.3897	1.1000e-003	0.1479	6.4000e-004	0.1485	0.0392	5.9000e-004	0.0398		115.2868	115.2868	3.5300e-003	3.4700e-003	116.4082
Total	0.0590	0.4421	0.4809	2.5900e-003	0.1951	2.9900e-003	0.1981	0.0528	2.8400e-003	0.0556		272.0122	272.0122	4.0000e-003	0.0260	279.8630

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Booster Station - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2220	8.6543	12.1410	0.0287		0.3402	0.3402		0.3170	0.3170		2,725.2035	2,725.2035	0.8303		2,745.9607
Total	1.2220	8.6543	12.1410	0.0287		0.3402	0.3402		0.3170	0.3170		2,725.2035	2,725.2035	0.8303		2,745.9607

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.9500e-003	0.4092	0.0912	1.4900e-003	0.0472	2.3500e-003	0.0496	0.0136	2.2500e-003	0.0158		156.7254	156.7254	4.7000e-004	0.0225	163.4548
Worker	0.0501	0.0328	0.3897	1.1000e-003	0.1479	6.4000e-004	0.1485	0.0392	5.9000e-004	0.0398		115.2868	115.2868	3.5300e-003	3.4700e-003	116.4082
Total	0.0590	0.4421	0.4809	2.5900e-003	0.1951	2.9900e-003	0.1981	0.0528	2.8400e-003	0.0556		272.0122	272.0122	4.0000e-003	0.0260	279.8630

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Booster Station - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2220	8.6543	12.1410	0.0287		0.3402	0.3402		0.3170	0.3170	0.0000	2,725.2035	2,725.2035	0.8303		2,745.9607
Total	1.2220	8.6543	12.1410	0.0287		0.3402	0.3402		0.3170	0.3170	0.0000	2,725.2035	2,725.2035	0.8303		2,745.9607

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.9500e-003	0.4092	0.0912	1.4900e-003	0.0472	2.3500e-003	0.0496	0.0136	2.2500e-003	0.0158		156.7254	156.7254	4.7000e-004	0.0225	163.4548
Worker	0.0501	0.0328	0.3897	1.1000e-003	0.1479	6.4000e-004	0.1485	0.0392	5.9000e-004	0.0398		115.2868	115.2868	3.5300e-003	3.4700e-003	116.4082
Total	0.0590	0.4421	0.4809	2.5900e-003	0.1951	2.9900e-003	0.1981	0.0528	2.8400e-003	0.0556		272.0122	272.0122	4.0000e-003	0.0260	279.8630

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Reservoir Erection - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8227	6.8137	7.4134	0.0171		0.2663	0.2663		0.2474	0.2474		1,626.7253	1,626.7253	0.4906		1,638.9896
Total	0.8227	6.8137	7.4134	0.0171		0.2663	0.2663		0.2474	0.2474		1,626.7253	1,626.7253	0.4906		1,638.9896

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.9500e-003	0.4092	0.0912	1.4900e-003	0.0472	2.3500e-003	0.0496	0.0136	2.2500e-003	0.0158		156.7254	156.7254	4.7000e-004	0.0225	163.4548
Worker	0.0501	0.0328	0.3897	1.1000e-003	0.1479	6.4000e-004	0.1485	0.0392	5.9000e-004	0.0398		115.2868	115.2868	3.5300e-003	3.4700e-003	116.4082
Total	0.0590	0.4421	0.4809	2.5900e-003	0.1951	2.9900e-003	0.1981	0.0528	2.8400e-003	0.0556		272.0122	272.0122	4.0000e-003	0.0260	279.8630

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 Reservoir Erection - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8227	6.8137	7.4134	0.0171		0.2663	0.2663		0.2474	0.2474	0.0000	1,626.7253	1,626.7253	0.4906		1,638.9896
Total	0.8227	6.8137	7.4134	0.0171		0.2663	0.2663		0.2474	0.2474	0.0000	1,626.7253	1,626.7253	0.4906		1,638.9896

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.9500e-003	0.4092	0.0912	1.4900e-003	0.0472	2.3500e-003	0.0496	0.0136	2.2500e-003	0.0158		156.7254	156.7254	4.7000e-004	0.0225	163.4548
Worker	0.0501	0.0328	0.3897	1.1000e-003	0.1479	6.4000e-004	0.1485	0.0392	5.9000e-004	0.0398		115.2868	115.2868	3.5300e-003	3.4700e-003	116.4082
Total	0.0590	0.4421	0.4809	2.5900e-003	0.1951	2.9900e-003	0.1981	0.0528	2.8400e-003	0.0556		272.0122	272.0122	4.0000e-003	0.0260	279.8630

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 Reservoir Painting, paving, interior - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9140	15.1165	17.7505	0.0462		0.6008	0.6008		0.5543	0.5543		4,451.800 2	4,451.800 2	1.4243		4,487.406 4
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9140	15.1165	17.7505	0.0462		0.6008	0.6008		0.5543	0.5543		4,451.800 2	4,451.800 2	1.4243		4,487.406 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0834	0.0547	0.6496	1.8300e-003	0.2464	1.0700e-003	0.2475	0.0654	9.8000e-004	0.0664		192.1447	192.1447	5.8800e-003	5.7800e-003	194.0137
Total	0.0834	0.0547	0.6496	1.8300e-003	0.2464	1.0700e-003	0.2475	0.0654	9.8000e-004	0.0664		192.1447	192.1447	5.8800e-003	5.7800e-003	194.0137

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 Reservoir Painting, paving, interior - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9140	15.1165	17.7505	0.0462		0.6008	0.6008		0.5543	0.5543	0.0000	4,451.800 2	4,451.800 2	1.4243		4,487.406 4
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9140	15.1165	17.7505	0.0462		0.6008	0.6008		0.5543	0.5543	0.0000	4,451.800 2	4,451.800 2	1.4243		4,487.406 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0834	0.0547	0.6496	1.8300e-003	0.2464	1.0700e-003	0.2475	0.0654	9.8000e-004	0.0664		192.1447	192.1447	5.8800e-003	5.7800e-003	194.0137
Total	0.0834	0.0547	0.6496	1.8300e-003	0.2464	1.0700e-003	0.2475	0.0654	9.8000e-004	0.0664		192.1447	192.1447	5.8800e-003	5.7800e-003	194.0137

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.10 Final Electrical and Painting - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	97.3350					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.1019	7.8843	10.3758	0.0303		0.2842	0.2842		0.2618	0.2618		2,924.4965	2,924.4965	0.9426		2,948.0602
Total	98.4369	7.8843	10.3758	0.0303		0.2842	0.2842		0.2618	0.2618		2,924.4965	2,924.4965	0.9426		2,948.0602

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0111	7.2900e-003	0.0866	2.4000e-004	0.0329	1.4000e-004	0.0330	8.7200e-003	1.3000e-004	8.8500e-003		25.6193	25.6193	7.8000e-004	7.7000e-004	25.8685
Total	0.0111	7.2900e-003	0.0866	2.4000e-004	0.0329	1.4000e-004	0.0330	8.7200e-003	1.3000e-004	8.8500e-003		25.6193	25.6193	7.8000e-004	7.7000e-004	25.8685

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.10 Final Electrical and Painting - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	97.3350					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.1019	7.8843	10.3758	0.0303		0.2842	0.2842		0.2618	0.2618	0.0000	2,924.4965	2,924.4965	0.9426		2,948.0602
Total	98.4369	7.8843	10.3758	0.0303		0.2842	0.2842		0.2618	0.2618	0.0000	2,924.4965	2,924.4965	0.9426		2,948.0602

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0111	7.2900e-003	0.0866	2.4000e-004	0.0329	1.4000e-004	0.0330	8.7200e-003	1.3000e-004	8.8500e-003		25.6193	25.6193	7.8000e-004	7.7000e-004	25.8685
Total	0.0111	7.2900e-003	0.0866	2.4000e-004	0.0329	1.4000e-004	0.0330	8.7200e-003	1.3000e-004	8.8500e-003		25.6193	25.6193	7.8000e-004	7.7000e-004	25.8685

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Natural Gas 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
Natural Gas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated 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	
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	

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated 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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1659	4.0000e-005	4.2800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.1900e-003	9.1900e-003	2.0000e-005		9.7900e-003
Unmitigated	1.1659	4.0000e-005	4.2800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.1900e-003	9.1900e-003	2.0000e-005		9.7900e-003

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2667					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8988					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-004	4.0000e-005	4.2800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			9.1900e-003	9.1900e-003	2.0000e-005	9.7900e-003
Total	1.1659	4.0000e-005	4.2800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			9.1900e-003	9.1900e-003	2.0000e-005	9.7900e-003

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2667					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8988					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-004	4.0000e-005	4.2800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.1900e-003	9.1900e-003	2.0000e-005		9.7900e-003
Total	1.1659	4.0000e-005	4.2800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.1900e-003	9.1900e-003	2.0000e-005		9.7900e-003

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

Forty Mile Water Plant - Yuba County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	6	805	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (750 - 9999 HP)	0.6605	2.9539	1.6842	3.1700e-003		0.0972	0.0972		0.0972	0.0972		337.9044	337.9044	0.0474		339.0888
Total	0.6605	2.9539	1.6842	3.1700e-003		0.0972	0.0972		0.0972	0.0972		337.9044	337.9044	0.0474		339.0888

11.0 Vegetation

Road Construction Emissions Model, Version 9.0.0

Daily Emission Estimates for -> Wastewater Pipeline - SCSA Sanitary Sewer														
Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	1.10	8.75	8.78	0.58	0.38	0.20	0.38	0.34	0.04	0.02	2,080.91	0.46	0.04	2,085.19
Grading/Excavation	3.59	31.70	38.78	1.74	1.54	0.20	1.34	1.30	0.04	0.11	10,727.31	2.17	0.61	10,964.59
Drainage/Utilities/Sub-Grade	3.47	33.59	37.80	1.67	1.47	0.20	1.27	1.23	0.04	0.11	10,897.70	1.59	0.69	11,144.45
Paving	1.56	18.91	14.09	0.65	0.65	0.00	0.58	0.58	0.00	0.04	3,349.84	0.77	0.10	3,399.98
Maximum (pounds/day)	3.59	33.59	38.78	1.74	1.54	0.20	1.34	1.30	0.04	0.11	10,897.70	2.17	0.69	11,144.45
Total (tons/construction project)	0.15	1.39	1.57	0.07	0.06	0.01	0.05	0.05	0.00	0.00	435.86	0.08	0.02	445.30

Notes:
 Project Start Year -> 2025
 Project Length (months) -> 5
 Total Project Area (acres) -> 2
 Maximum Area Disturbed/Day (acres) -> 0
 Water Truck Used? -> Yes

Phase	Total Material Imported/Exported Volume (yd ³ /day)		Daily VMT (miles/day)			
	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	320	40
Grading/Excavation	480	0	900	0	400	40
Drainage/Utilities/Sub-Grade	560	0	1,050	0	400	40
Paving	0	48	0	90	320	40

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Wastewater Pipeline - SCSA Sanitary Sewer														
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.20	0.00	0.00	9.36
Grading/Excavation	0.08	0.71	0.86	0.04	0.03	0.00	0.03	0.03	0.00	0.00	238.95	0.05	0.01	221.57
Drainage/Utilities/Sub-Grade	0.05	0.50	0.56	0.02	0.02	0.00	0.02	0.02	0.00	0.00	161.83	0.02	0.01	150.14
Paving	0.01	0.14	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.87	0.01	0.00	22.90
Maximum (tons/phase)	0.08	0.71	0.86	0.04	0.03	0.00	0.03	0.03	0.00	0.00	238.95	0.05	0.01	221.57
Total (tons/construction project)	0.15	1.39	1.57	0.07	0.06	0.01	0.05	0.05	0.00	0.00	435.86	0.08	0.02	403.97

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model

Version 9.0.0

Data Entry Worksheet

Note: Required data input sections have a yellow background.
 Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
 The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
 Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.



Input Type

Project Name	Wastewater Pipeline - SCSA Sanitary Sewer	
Construction Start Year	2025	Enter a Year between 2014 and 2040 (inclusive)
Project Type	1	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction
Project Construction Time	4.50	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	2	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the lone formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	4.40	miles
Total Project Area	1.60	acres
Maximum Area Disturbed/Day	0.02	acres
Water Trucks Used?	1	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/pool.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd ³) (assume 20 if unknown)	Import Volume (yd ³ /day)	Export Volume (yd ³ /day)
Soil	Grubbing/Land Clearing			
	Grading/Excavation	16.00		480.00
	Drainage/Utilities/Sub-Grade	16.00	560.00	
	Paving			
Asphalt	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving	16.00	16.00	32.00

Mitigation Options

On-road Fleet Emissions Mitigation	
Off-road Equipment Emissions Mitigation	

Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
 Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm this mitigation measure (<http://www.airquality.org/Businesses/CEQA-Land-Use-Planning/Mitigation>).
 Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that can be modified by the user, although those modifications are optional.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Program Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date
Grubbing/Land Clearing		0.45	4/19/25	1/1/25
Grading/Excavation		2.03	5/3/25	1/15/25
Drainage/Utilities/Sub-Grade		1.35	7/4/25	3/18/25
Paving		0.68	8/15/25	4/29/25
Totals (Months)	5			

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions		User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT				
User Input										
Miles/round trip: Grubbing/Land Clearing			30.00		0	0.00				
Miles/round trip: Grading/Excavation			30.00		30	900.00				
Miles/round trip: Drainage/Utilities/Sub-Grade			30.00		35	1050.00				
Miles/round trip: Paving			30.00		0	0.00				
Emission Rates										
	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.03	0.41	3.06	0.11	0.05	0.02	1,672.88	0.00	0.26	1,751.28
Grading/Excavation (grams/mile)	0.03	0.41	3.06	0.11	0.05	0.02	1,672.88	0.00	0.26	1,751.28
Drainage/Utilities/Sub-Grade (grams/mile)	0.03	0.41	3.06	0.11	0.05	0.02	1,672.88	0.00	0.26	1,751.28
Paving (grams/mile)	0.03	0.41	3.06	0.11	0.05	0.02	1,672.88	0.00	0.26	1,751.28
Grubbing/Land Clearing (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions										
	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.06	0.82	6.37	0.22	0.10	0.03	3,319.27	0.00	0.52	3,474.82
Tons per const. Period - Grading/Excavation	0.00	0.02	0.14	0.00	0.00	0.00	73.94	0.00	0.01	77.40
Pounds per day - Drainage/Utilities/Sub-Grade	0.07	0.95	7.44	0.26	0.11	0.04	3,672.49	0.00	0.61	4,053.96
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.01	0.11	0.00	0.00	0.00	57.51	0.00	0.01	60.20
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.03	0.25	0.01	0.00	0.00	131.44	0.00	0.02	137.60

Note: Asphalt Hauling emission default values can be overridden in cells D91 through D94, and F91 through F94.

Asphalt Hauling Emissions		User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT				
User Input										
Miles/round trip: Grubbing/Land Clearing			30.00		0	0.00				
Miles/round trip: Grading/Excavation			30.00		0	0.00				
Miles/round trip: Drainage/Utilities/Sub-Grade			30.00		0	0.00				
Miles/round trip: Paving			30.00		3	90.00				
Emission Rates										
	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.03	0.41	3.06	0.11	0.05	0.02	1,672.88	0.00	0.26	1,751.28
Grading/Excavation (grams/mile)	0.03	0.41	3.06	0.11	0.05	0.02	1,672.88	0.00	0.26	1,751.28
Drainage/Utilities/Sub-Grade (grams/mile)	0.03	0.41	3.06	0.11	0.05	0.02	1,672.88	0.00	0.26	1,751.28
Paving (grams/mile)	0.03	0.41	3.06	0.11	0.05	0.02	1,672.88	0.00	0.26	1,751.28
Grubbing/Land Clearing (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions										
	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.01	0.08	0.64	0.02	0.01	0.00	331.93	0.00	0.05	347.48
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	2.46	0.00	0.00	2.58
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	2.46	0.00	0.00	2.58

Note: Worker commute default values can be overridden in cells D121 through D126.

Worker Commute Emissions		User Override of Worker Commute Default Values		Default Values		Calculated						
User Input												
Miles/ one-way trip			20									
One-way trips/day			2			Calculated Daily Trips		Calculated Daily VMT				
No. of employees: Grubbing/Land Clearing	8		14			16		320.00				
No. of employees: Grading/Excavation	10		27			20		400.00				
No. of employees: Drainage/Utilities/Sub-Grade	10		24			20		400.00				
No. of employees: Paving	8		20			16		320.00				
Emission Rates												
		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e	
Grubbing/Land Clearing (grams/mile)	0.01	0.78	0.06	0.05	0.05	0.02	0.00	295.84	0.00	0.01	297.52	
Grading/Excavation (grams/mile)	0.01	0.78	0.06	0.05	0.05	0.02	0.00	295.84	0.00	0.01	297.52	
Draining/Utilities/Sub-Grade (grams/mile)	0.01	0.78	0.06	0.05	0.05	0.02	0.00	295.84	0.00	0.01	297.52	
Paving (grams/mile)	0.01	0.78	0.06	0.05	0.05	0.02	0.00	295.84	0.00	0.01	297.52	
Grubbing/Land Clearing (grams/trip)	0.93	2.56	0.25	0.00	0.00	0.00	0.00	63.73	0.06	0.03	73.77	
Grading/Excavation (grams/trip)	0.93	2.56	0.25	0.00	0.00	0.00	0.00	63.73	0.06	0.03	73.77	
Draining/Utilities/Sub-Grade (grams/trip)	0.93	2.56	0.25	0.00	0.00	0.00	0.00	63.73	0.06	0.03	73.77	
Paving (grams/trip)	0.93	2.56	0.25	0.00	0.00	0.00	0.00	63.73	0.06	0.03	73.77	
Emissions												
		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e	
Pounds per day - Grubbing/Land Clearing	0.04	0.64	0.05	0.03	0.01	0.01	0.00	210.95	0.00	0.00	212.50	
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.04	0.00	0.00	1.05	
Pounds per day - Grading/Excavation	0.05	0.80	0.06	0.04	0.02	0.02	0.00	263.69	0.01	0.01	265.62	
Tons per const. Period - Grading/Excavation	0.00	0.02	0.00	0.00	0.00	0.00	0.00	5.87	0.00	0.00	5.92	
Pounds per day - Drainage/Utilities/Sub-Grade	0.05	0.80	0.06	0.04	0.02	0.02	0.00	263.69	0.01	0.01	265.62	
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.01	0.00	0.00	0.00	0.00	0.00	3.92	0.00	0.00	3.94	
Pounds per day - Paving	0.04	0.64	0.05	0.03	0.01	0.01	0.00	210.95	0.00	0.00	212.50	
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	0.00	0.00	1.58	
Total tons per construction project	0.00	0.04	0.00	0.00	0.00	0.00	0.00	12.40	0.00	0.00	12.49	

Note: Water Truck default values can be overridden in cells D153 through D156, I153 through I156, and F153 through F156.

Water Truck Emissions		User Override of		Program Estimate of		User Override of Truck		Default Values		Calculated		User Override of		Default Values		Calculated	
User Input		Default # Water Trucks		Number of Water Trucks		Round Trips/Vehicle/Day		Round Trips/Vehicle/Day		Trips/day		Miles/Round Trip		Miles/Round Trip		Daily VMT	
Grubbing/Land Clearing - Exhaust				1				5		5				8.00		40.00	
Grading/Excavation - Exhaust				1				5		5				8.00		40.00	
Drainage/Utilities/Subgrade				1				5		5				8.00		40.00	
Paving				1				5		5				8.00		40.00	
Emission Rates																	
		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e						
Grubbing/Land Clearing (grams/mile)	0.03	0.41	3.06	0.11	0.05	0.02	0.00	1,672.88	0.00	0.26	1,751.28						
Grading/Excavation (grams/mile)	0.03	0.41	3.06	0.11	0.05	0.02	0.00	1,672.88	0.00	0.26	1,751.28						
Draining/Utilities/Sub-Grade (grams/mile)	0.03	0.41	3.06	0.11	0.05	0.02	0.00	1,672.88	0.00	0.26	1,751.28						
Paving (grams/mile)	0.03	0.41	3.06	0.11	0.05	0.02	0.00	1,672.88	0.00	0.26	1,751.28						
Grubbing/Land Clearing (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
Grading/Excavation (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
Paving (grams/trip)	0.00	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
Emissions																	
		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e						
Pounds per day - Grubbing/Land Clearing	0.00	0.04	0.32	0.01	0.00	0.00	0.00	147.52	0.00	0.02	154.44						
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.76						
Pounds per day - Grading/Excavation	0.00	0.04	0.32	0.01	0.00	0.00	0.00	147.52	0.00	0.02	154.44						
Tons per const. Period - Grading/Excavation	0.00	0.00	0.01	0.00	0.00	0.00	0.00	3.29	0.00	0.00	3.44						
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.04	0.32	0.01	0.00	0.00	0.00	147.52	0.00	0.02	154.44						
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.19	0.00	0.00	2.29						
Pounds per day - Paving	0.00	0.04	0.32	0.01	0.00	0.00	0.00	147.52	0.00	0.02	154.44						
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	1.15						
Total tons per construction project	0.00	0.00	0.02	0.00	0.00	0.00	0.00	7.30	0.00	0.00	7.64						

Note: Fugitive dust default values can be overridden in cells D183 through D185.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing			0.20	0.00	0.04	0.00
Fugitive Dust - Grading/Excavation			0.20	0.00	0.04	0.00
Fugitive Dust - Drainage/Utilities/Subgrade			0.20	0.00	0.04	0.00

Off-Road Equipment Emissions											
Grubbing/Land Clearing		Default Number of Vehicles	Mitigation Option Override of Default	Default	ROG	CO	NOx	PM10	PM2.5	SOx	
Override of Default Number of Vehicles	Program-estimate	Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	
	1		Model Default Tier	Crawler Tractors	0.37	2.10	3.96	0.15	0.14	0.01	
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	
	1		Model Default Tier	Excavators	0.17	3.25	1.22	0.06	0.06	0.01	
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	
	9		Model Default Tier	Signal Boards	0.52	2.71	3.23	0.13	0.13	0.01	
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	
User-Defined Off-road Equipment					ROG	CO	NOx	PM10	PM2.5	SOx	
If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab					pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	
Number of Vehicles		Equipment Tier	Type								
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
	Grubbing/Land Clearing		pounds per day		1.06	8.07	8.41	0.34	0.32	0.02	
	Grubbing/Land Clearing		tons per phase		0.01	0.04	0.04	0.00	0.00	0.00	

Grading/Excavation	Default		Mitigation Option		ROG	CO	NOx	PM10	PM2.5	SOx
	Number of Vehicles	Override of	Default	Default Equipment Tier (applicable only when						
Override of Default Number of Vehicles	Program-estimate	"Tier 4 Mitigation" Option Selected)	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00
	0		Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Crawler Tractors	0.37	2.10	3.96	0.15	0.14	0.01
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00
1.00	3		Model Default Tier	Excavators	0.17	3.26	1.22	0.06	0.06	0.01
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00
		1	Model Default Tier	Graders	0.31	1.59	3.46	0.11	0.10	0.01
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00
		2	Model Default Tier	Rollers	0.27	3.69	2.89	0.15	0.13	0.01
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00
		1	Model Default Tier	Rubber Tired Loaders	0.23	1.47	1.86	0.06	0.06	0.01
		2	Model Default Tier	Scrapers	1.34	10.76	12.74	0.50	0.46	0.03
		9	Model Default Tier	Signal Boards	0.52	2.71	3.23	0.13	0.13	0.01
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00
		2	Model Default Tier	Tractors/Loaders/Backhoes	0.26	4.46	2.67	0.11	0.10	0.01
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00
User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab				ROG	CO	NOx	PM10	PM2.5	SOx
	Number of Vehicles		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	Grading/Excavation			pounds per day	3.48	30.05	32.03	1.27	1.18	0.07
	Grading/Excavation			tons per phase	0.08	0.67	0.71	0.03	0.03	0.00

Drainage/Utilities/Subgrade	Default	Mitigation Option	Default	ROG	CO	NOx	PM10	PM2.5	SOx	
	Number of Vehicles	Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)								Equipment Tier
Override of Default Number of Vehicles	Program-estimate	"Tier 4 Mitigation" Option Selected	Equipment Tier	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	
	1		Model Default Tier	Air Compressors	0.23	2.41	1.53	0.07	0.07	
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	
	1		Model Default Tier	Generator Sets	0.27	3.66	2.40	0.10	0.10	
	1		Model Default Tier	Graders	0.31	1.59	3.46	0.11	0.10	
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	
	1		Model Default Tier	Plate Compactors	0.04	0.21	0.25	0.01	0.01	
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	
	1		Model Default Tier	Pumps	0.29	3.72	2.43	0.10	0.10	
			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	
	1		Model Default Tier	Rough Terrain Forklifts	0.10	2.29	1.28	0.04	0.03	
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	
	2		Model Default Tier	Scrapers	1.34	10.76	12.74	0.50	0.46	
	9		Model Default Tier	Signal Boards	0.52	2.71	3.23	0.13	0.13	
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	
	2		Model Default Tier	Tractors/Loaders/Backhoes	0.26	4.46	2.67	0.11	0.10	
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	
User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab				ROG	CO	NOx	PM10	PM2.5	SOx
	Number of Vehicles	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
	0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00
	Drainage/Utilities/Sub-Grade		pounds per day	3.35	31.81	29.99	1.16	1.10	0.07	
	Drainage/Utilities/Sub-Grade		tons per phase	0.05	0.47	0.45	0.02	0.02	0.00	

Paving	Default		Mitigation Option		ROG	CO	NOx	PM10	PM2.5	SOx
	Number of Vehicles	Override of	Default	Equipment Tier						
Override of Default Number of Vehicles	Program-estimate	"Tier 4 Mitigation" Option Selected	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Pavers	0.17	2.90	1.58	0.07	0.07	0.00
	1		Model Default Tier	Paving Equipment	0.15	2.55	1.26	0.06	0.06	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00
	3		Model Default Tier	Rollers	0.41	5.54	4.33	0.22	0.20	0.01
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00
	9		Model Default Tier	Signal Boards	0.52	2.71	3.23	0.13	0.13	0.01
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00
	2		Model Default Tier	Tractors/Loaders/Backhoes	0.26	4.46	2.67	0.11	0.10	0.01
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00
User-Defined Off-road Equipment					ROG	CO	NOx	PM10	PM2.5	SOx
If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab					pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
Number of Vehicles		Equipment Tier	Type							
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00
	Paving		pounds per day		1.51	18.15	13.08	0.59	0.55	0.03
	Paving		tons per phase		0.01	0.13	0.10	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =>					0.14	1.32	1.30	0.05	0.05	0.00

CO2	CH4	N2O	CO2e
pounds/day	pounds/day	pounds/day	pounds/day
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
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
758.27	0.25	0.01	766.45
0.00	0.00	0.00	0.00
500.34	0.16	0.00	505.73
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
640.24	0.21	0.01	647.14
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
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
508.12	0.16	0.00	513.60
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
605.62	0.20	0.01	612.16
2,936.30	0.95	0.03	2,967.95
443.82	0.05	0.00	446.08
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
604.11	0.20	0.01	610.81
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
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CO2	CH4	N2O	CO2e
pounds/day	pounds/day	pounds/day	pounds/day
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
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
6,996.83	2.17	0.06	7,069.71
155.85	0.05	0.00	157.48

CO2	CH4	N2O	CO2e
pounds/day	pounds/day	pounds/day	pounds/day
0.00	0.00	0.00	0.00
375.26	0.02	0.00	376.62
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
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
0.00	0.00	0.00	0.00
623.04	0.02	0.00	625.01
640.24	0.21	0.01	647.14
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
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
34.48	0.00	0.00	34.65
0.00	0.00	0.00	0.00
623.04	0.03	0.00	625.06
0.00	0.00	0.00	0.00
333.72	0.11	0.00	337.31
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
2,936.30	0.95	0.03	2,967.95
443.82	0.05	0.00	446.08
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
604.11	0.20	0.01	610.81
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
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CO2	CH4	N2O	CO2e
pounds/day	pounds/day	pounds/day	pounds/day
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
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
6,614.00	1.58	0.06	6,670.43
98.22	0.02	0.00	99.06

CO2	CH4	N2O	CO2e
pounds/day	pounds/day	pounds/day	pounds/day
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
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
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
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
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
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
454.99	0.15	0.00	459.90
394.32	0.13	0.00	398.57
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
762.19	0.25	0.01	770.40
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
443.82	0.05	0.00	446.08
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
604.11	0.20	0.01	610.61
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
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CO2	CH4	N2O	CO2e
pounds/day	pounds/day	pounds/day	pounds/day
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
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
2,659.43	0.76	0.02	2,685.56
19.75	0.01	0.00	19.94
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282.25	0.08	0.00	284.98

Equipment default values for horsepower and hours/day can be overridden in cells D403 through D436 and F403 through F436.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63		8
Air Compressors		78		8
Bore/Drill Rigs		221		8
Cement and Mortar Mixers		9		8
Concrete/Industrial Saws		81		8
Cranes		231		8
Crawler Tractors		212		8
Crushing/Proc. Equipment		85		8
Excavators		158		8
Forklifts		89		8
Generator Sets		84		8
Graders		187		8
Off-Highway Tractors		124		8
Off-Highway Trucks		402		8
Other Construction Equipment		172		8
Other General Industrial Equipment		88		8
Other Material Handling Equipment		168		8
Pavers		130		8
Paving Equipment		132		8
Plate Compactors		8		8
Pressure Washers		13		8
Pumps		84		8
Rollers		80		8
Rough Terrain Forklifts		100		8
Rubber Tired Dozers		247		8
Rubber Tired Loaders		203		8
Scrapers		367		8
Signal Boards		6		8
Skid Steer Loaders		65		8
Surfacing Equipment		263		8
Sweepers/Scrubbers		64		8
Tractors/Loaders/Backhoes		97		8
Trenchers		78		8
Welders		46		8

END OF DATA ENTRY SHEET

Road Construction Emissions Model, Version 9.0.0

Daily Emission Estimates for -> Water Supply and Delivery Pipeline														
Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	1.38	10.21	10.58	0.65	0.45	0.20	0.45	0.41	0.04	0.03	2,298.55	0.48	0.04	2,323.90
Grading/Excavation	3.88	33.19	40.86	1.82	1.62	0.20	1.41	1.37	0.04	0.11	11,032.00	2.20	0.63	11,273.54
Drainage/Utilities/Sub-Grade	3.87	36.10	40.82	1.78	1.58	0.20	1.37	1.33	0.04	0.12	11,654.27	1.76	0.71	11,909.90
Paving	1.85	20.37	15.89	0.72	0.72	0.00	0.65	0.65	0.00	0.04	3,583.44	0.79	0.10	3,634.45
Maximum (pounds/day)	3.88	36.10	40.86	1.82	1.62	0.20	1.41	1.37	0.04	0.12	11,654.27	2.20	0.71	11,909.90
Total (tons/construction project)	0.26	2.30	2.62	0.12	0.10	0.01	0.09	0.09	0.00	0.01	710.56	0.13	0.04	725.62

Notes:
 Project Start Year -> 2026
 Project Length (months) -> 7
 Total Project Area (acres) -> 3
 Maximum Area Disturbed/Day (acres) -> 0
 Water Truck Used? -> Yes

Phase	Total Material Imported/Exported Volume (yd ³ /day)		Daily VMT (miles/day)			
	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	320	40
Grading/Excavation	496	0	930	0	400	40
Drainage/Utilities/Sub-Grade	576	0	1,080	0	400	40
Paving	0	48	0	90	320	40

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.
 Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions in columns J and K.
 CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> Water Supply and Delivery Pipeline														
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.01	0.08	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	17.70	0.00	0.00	16.23
Grading/Excavation	0.13	1.15	1.42	0.06	0.06	0.01	0.05	0.05	0.00	0.00	382.26	0.08	0.02	354.38
Drainage/Utilities/Sub-Grade	0.09	0.83	0.94	0.04	0.04	0.00	0.03	0.03	0.00	0.00	269.21	0.04	0.02	249.59
Paving	0.02	0.24	0.18	0.01	0.01	0.00	0.01	0.01	0.00	0.00	41.39	0.01	0.00	38.08
Maximum (tons/phase)	0.13	1.15	1.42	0.06	0.06	0.01	0.05	0.05	0.00	0.00	382.26	0.08	0.02	354.38
Total (tons/construction project)	0.26	2.30	2.62	0.12	0.10	0.01	0.09	0.09	0.00	0.01	710.56	0.13	0.04	658.28

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.
 Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.
 CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.
 The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model

Version 9.0.0

Data Entry Worksheet

Note: Required data input sections have a yellow background.
 Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
 The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
 Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.



Input Type

Project Name	Water Supply and Delivery Pipeline
Construction Start Year	2026
Project Type	1
Project Construction Time	7.00
Working Days per Month	22.00
Predominant Soil/Site Type: Enter 1, 2, or 3 <small>(for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)</small>	2
Project Length	7.00
Total Project Area	2.50
Maximum Area Disturbed/Day	0.02
Water Trucks Used?	1

Enter a Year between 2014 and 2040 (inclusive)

- 1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway
- 2) Road Widening : Project to add a new lane to an existing roadway
- 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane
- 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction

months
 days (assume 22 if unknown)

- 1) Sand Gravel : Use for quaternary deposits (Delta/West County)
 - 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the lone formation (Scott Road, Rancho Murieta)
 - 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
- miles
 acres
 1. Yes
 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/pool.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd ³) (assume 20 if unknown)	Import Volume (yd ³ /day)	Export Volume (yd ³ /day)
Soil	Grubbing/Land Clearing			
	Grading/Excavation	16.00		496.00
	Drainage/Utilities/Sub-Grade	16.00	576.00	
	Paving			
Asphalt	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving	16.00	16.00	32.00

Mitigation Options

On-road Fleet Emissions Mitigation	
Off-road Equipment Emissions Mitigation	

Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
 Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm this mitigation measure (<http://www.airquality.org/Businesses/CEQA-Land-Use-Planning/Mitigation>).
 Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that can be modified by the user, although those modifications are optional.



Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Program Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date
Grubbing/Land Clearing		0.70		1/1/26
Grading/Excavation		3.15		1/23/26
Drainage/Utilities/Sub-Grade		2.10		4/29/26
Paving		1.05		7/2/26
Totals (Months)	7			

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions		User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT				
User Input										
Miles/round trip: Grubbing/Land Clearing			30.00		0	0.00				
Miles/round trip: Grading/Excavation			30.00		31	930.00				
Miles/round trip: Drainage/Utilities/Sub-Grade			30.00		36	1080.00				
Miles/round trip: Paving			30.00		0	0.00				
Emission Rates										
	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.03	0.41	3.10	0.11	0.05	0.02	1,652.48	0.00	0.26	1,729.92
Grading/Excavation (grams/mile)	0.03	0.41	3.10	0.11	0.05	0.02	1,652.48	0.00	0.26	1,729.92
Draining/Utilities/Sub-Grade (grams/mile)	0.03	0.41	3.10	0.11	0.05	0.02	1,652.48	0.00	0.26	1,729.92
Paving (grams/mile)	0.03	0.41	3.10	0.11	0.05	0.02	1,652.48	0.00	0.26	1,729.92
Grubbing/Land Clearing (grams/trip)	0.00	0.00	4.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	4.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	4.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions										
	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.06	0.85	6.66	0.23	0.10	0.03	3,388.09	0.00	0.53	3,546.86
Tons per const. Period - Grading/Excavation	0.00	0.03	0.23	0.01	0.00	0.00	117.40	0.00	0.02	122.90
Pounds per day - Drainage/Utilities/Sub-Grade	0.07	0.99	7.73	0.27	0.12	0.04	3,934.55	0.00	0.62	4,118.94
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.02	0.18	0.01	0.00	0.00	90.89	0.00	0.01	95.15
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.05	0.41	0.01	0.01	0.00	208.29	0.00	0.03	218.05

Note: Asphalt Hauling emission default values can be overridden in cells D91 through D94, and F91 through F94.

Asphalt Hauling Emissions		User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT				
User Input										
Miles/round trip: Grubbing/Land Clearing			30.00		0	0.00				
Miles/round trip: Grading/Excavation			30.00		0	0.00				
Miles/round trip: Drainage/Utilities/Sub-Grade			30.00		0	0.00				
Miles/round trip: Paving			30.00		3	90.00				
Emission Rates										
	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.03	0.41	3.10	0.11	0.05	0.02	1,652.48	0.00	0.26	1,729.92
Grading/Excavation (grams/mile)	0.03	0.41	3.10	0.11	0.05	0.02	1,652.48	0.00	0.26	1,729.92
Draining/Utilities/Sub-Grade (grams/mile)	0.03	0.41	3.10	0.11	0.05	0.02	1,652.48	0.00	0.26	1,729.92
Paving (grams/mile)	0.03	0.41	3.10	0.11	0.05	0.02	1,652.48	0.00	0.26	1,729.92
Grubbing/Land Clearing (grams/trip)	0.00	0.00	4.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	4.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	4.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions										
	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.01	0.08	0.64	0.02	0.01	0.00	327.88	0.00	0.05	343.24
Tons per const. Period - Paving	0.00	0.00	0.01	0.00	0.00	0.00	3.79	0.00	0.00	3.96
Total tons per construction project	0.00	0.00	0.01	0.00	0.00	0.00	3.79	0.00	0.00	3.96

Note: Worker commute default values can be overridden in cells D121 through D126.

Worker Commute Emissions		User Override of Worker Commute Default Values		Default Values		Calculated						
User Input												
Miles/ one-way trip			20			Calculated Daily Trips	Calculated Daily VMT					
One-way trips/day			2									
No. of employees: Grubbing/Land Clearing	8		20			16	320.00					
No. of employees: Grading/Excavation	10		33			20	400.00					
No. of employees: Drainage/Utilities/Sub-Grade	10		30			20	400.00					
No. of employees: Paving	8		27			16	320.00					
Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e		
Grubbing/Land Clearing (grams/mile)	0.01	0.72	0.05	0.05	0.02	0.00	285.85	0.00	0.01	287.41		
Grading/Excavation (grams/mile)	0.01	0.72	0.05	0.05	0.02	0.00	285.85	0.00	0.01	287.41		
Draining/Utilities/Sub-Grade (grams/mile)	0.01	0.72	0.05	0.05	0.02	0.00	285.85	0.00	0.01	287.41		
Paving (grams/mile)	0.01	0.72	0.05	0.05	0.02	0.00	285.85	0.00	0.01	287.41		
Grubbing/Land Clearing (grams/trip)	0.87	2.47	0.23	0.00	0.00	0.00	61.59	0.06	0.03	71.10		
Grading/Excavation (grams/trip)	0.87	2.47	0.23	0.00	0.00	0.00	61.59	0.06	0.03	71.10		
Draining/Utilities/Sub-Grade (grams/trip)	0.87	2.47	0.23	0.00	0.00	0.00	61.59	0.06	0.03	71.10		
Paving (grams/trip)	0.87	2.47	0.23	0.00	0.00	0.00	61.59	0.06	0.03	71.10		
Emissions	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e		
Pounds per day - Grubbing/Land Clearing	0.04	0.60	0.04	0.03	0.01	0.00	203.83	0.00	0.00	205.27		
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	1.57	0.00	0.00	1.58		
Pounds per day - Grading/Excavation	0.05	0.75	0.05	0.04	0.02	0.00	254.79	0.00	0.01	256.58		
Tons per const. Period - Grading/Excavation	0.00	0.03	0.00	0.00	0.00	0.00	8.83	0.00	0.00	8.89		
Pounds per day - Drainage/Utilities/Sub-Grade	0.05	0.75	0.05	0.04	0.02	0.00	254.79	0.00	0.01	256.58		
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.02	0.00	0.00	0.00	0.00	5.89	0.00	0.00	5.93		
Pounds per day - Paving	0.04	0.60	0.04	0.03	0.01	0.00	203.83	0.00	0.00	205.27		
Tons per const. Period - Paving	0.00	0.01	0.00	0.00	0.00	0.00	2.35	0.00	0.00	2.37		
Total tons per construction project	0.00	0.05	0.00	0.00	0.00	0.00	18.64	0.00	0.00	18.77		

Note: Water Truck default values can be overridden in cells D153 through D156, I153 through I156, and F153 through F156.

Water Truck Emissions		User Override of		Program Estimate of		User Override of Truck		Default Values		Calculated		User Override of		Default Values		Calculated	
User Input		Default # Water Trucks		Number of Water Trucks		Round Trips/Vehicle/Day		Round Trips/Vehicle/Day	Trips/day		Miles/Round Trip		Miles/Round Trip	Daily VMT			
Grubbing/Land Clearing - Exhaust			1			5		5	8.00		40.00						
Grading/Excavation - Exhaust			1			5		5	8.00		40.00						
Drainage/Utilities/Subgrade			1			5		5	8.00		40.00						
Paving			1			5		5	8.00		40.00						
Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e							
Grubbing/Land Clearing (grams/mile)	0.03	0.41	3.10	0.11	0.05	0.02	1,652.48	0.00	0.26	1,729.92							
Grading/Excavation (grams/mile)	0.03	0.41	3.10	0.11	0.05	0.02	1,652.48	0.00	0.26	1,729.92							
Draining/Utilities/Sub-Grade (grams/mile)	0.03	0.41	3.10	0.11	0.05	0.02	1,652.48	0.00	0.26	1,729.92							
Paving (grams/mile)	0.03	0.41	3.10	0.11	0.05	0.02	1,652.48	0.00	0.26	1,729.92							
Grubbing/Land Clearing (grams/trip)	0.00	0.00	4.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
Grading/Excavation (grams/trip)	0.00	0.00	4.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
Paving (grams/trip)	0.00	0.00	4.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
Emissions	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e							
Pounds per day - Grubbing/Land Clearing	0.00	0.04	0.32	0.01	0.00	0.00	145.72	0.00	0.02	152.55							
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	1.12	0.00	0.00	1.17							
Pounds per day - Grading/Excavation	0.00	0.04	0.32	0.01	0.00	0.00	145.72	0.00	0.02	152.55							
Tons per const. Period - Grading/Excavation	0.00	0.00	0.01	0.00	0.00	0.00	5.05	0.00	0.00	5.29							
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.04	0.32	0.01	0.00	0.00	145.72	0.00	0.02	152.55							
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.01	0.00	0.00	0.00	3.37	0.00	0.00	3.52							
Pounds per day - Paving	0.00	0.04	0.32	0.01	0.00	0.00	145.72	0.00	0.02	152.55							
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	1.68	0.00	0.00	1.76							
Total tons per construction project	0.00	0.00	0.02	0.00	0.00	0.00	11.22	0.00	0.00	11.75							

Note: Fugitive dust default values can be overridden in cells D183 through D185.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/period	PM2.5 pounds/day	PM2.5 tons/period
Fugitive Dust - Grubbing/Land Clearing			0.20	0.00	0.04	0.00
Fugitive Dust - Grading/Excavation			0.20	0.01	0.04	0.00
Fugitive Dust - Drainage/Utilities/Subgrade			0.20	0.00	0.04	0.00

Off-Road Equipment Emissions											
Grubbing/Land Clearing		Default Number of Vehicles	Mitigation Option Override of Default	Default	ROG	CO	NOx	PM10	PM2.5	SOx	
Override of Default Number of Vehicles	Program-estimate	Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	
	1		Model Default Tier	Crawler Tractors	0.37	2.10	3.96	0.15	0.14	0.01	
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	
	1		Model Default Tier	Excavators	0.17	3.25	1.22	0.06	0.06	0.01	
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	
	14		Model Default Tier	Signal Boards	0.80	4.21	5.03	0.20	0.20	0.01	
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	
User-Defined Off-road Equipment					ROG	CO	NOx	PM10	PM2.5	SOx	
If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab					pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	
Number of Vehicles		Equipment Tier	Type								
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	
	Grubbing/Land Clearing		pounds per day		1.34	9.98	10.21	0.41	0.39	0.02	
	Grubbing/Land Clearing		tons per phase		0.01	0.07	0.08	0.00	0.00	0.00	

Grading/Excavation	Default		Mitigation Option		ROG	CO	NOx	PM10	PM2.5	SOx
	Number of Vehicles	Override of	Default	Default						
Override of Default Number of Vehicles	Program-estimate	Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00
	0		Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Crawler Tractors	0.37	2.10	3.96	0.15	0.14	0.01
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00
1.00	3		Model Default Tier	Excavators	0.17	3.26	1.22	0.06	0.06	0.01
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Graders	0.31	1.59	3.46	0.11	0.10	0.01
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00
	2		Model Default Tier	Rollers	0.27	3.69	2.89	0.15	0.13	0.01
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Rubber Tired Loaders	0.23	1.47	1.86	0.06	0.06	0.01
	2		Model Default Tier	Scrapers	1.34	10.76	12.74	0.50	0.46	0.03
	14		Model Default Tier	Signal Boards	0.80	4.21	5.03	0.20	0.20	0.01
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00
	2		Model Default Tier	Tractors/Loaders/Backhoes	0.26	4.46	2.67	0.11	0.10	0.01
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00
User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab				ROG	CO	NOx	PM10	PM2.5	SOx
	Number of Vehicles		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	Grading/Excavation			pounds per day	3.77	31.56	33.82	1.34	1.25	0.08
	Grading/Excavation			tons per phase	0.13	1.09	1.17	0.05	0.04	0.00

Paving	Default		Mitigation Option		ROG	CO	NOx	PM10	PM2.5	SOx
	Number of Vehicles	Override of	Default	Equipment Tier						
Override of Default Number of Vehicles	Program-estimate	Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipment	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Pavers	0.17	2.90	1.58	0.07	0.07	0.00
	1		Model Default Tier	Paving Equipment	0.15	2.55	1.26	0.06	0.06	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00
	3		Model Default Tier	Rollers	0.41	5.54	4.33	0.22	0.20	0.01
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00
	14		Model Default Tier	Signal Boards	0.80	4.21	5.03	0.20	0.20	0.01
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00
	2		Model Default Tier	Tractors/Loaders/Backhoes	0.26	4.46	2.67	0.11	0.10	0.01
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00
User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab				ROG	CO	NOx	PM10	PM2.5	SOx
	Number of Vehicles		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	0.00		N/A		0	0.00	0.00	0.00	0.00	0.00
	Paving			pounds per day	1.80	19.66	14.88	0.66	0.62	0.03
	Paving			tons per phase	0.02	0.23	0.17	0.01	0.01	0.00
Total Emissions all Phases (tons per construction period) =>					0.25	2.19	2.18	0.09	0.08	0.01

CO2	CH4	N2O	CO2e
pounds/day	pounds/day	pounds/day	pounds/day
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
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
758.27	0.25	0.01	766.45
0.00	0.00	0.00	0.00
500.34	0.16	0.00	505.73
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
640.24	0.21	0.01	647.14
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
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
0.00	0.00	0.00	0.00
508.12	0.16	0.00	513.60
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
605.62	0.20	0.01	612.16
2,936.30	0.95	0.03	2,967.95
690.39	0.07	0.01	693.90
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
604.11	0.20	0.01	610.81
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
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CO2	CH4	N2O	CO2e
pounds/day	pounds/day	pounds/day	pounds/day
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
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
7,243.39	2.19	0.07	7,317.54
250.98	0.08	0.00	253.55

CO2	CH4	N2O	CO2e
pounds/day	pounds/day	pounds/day	pounds/day
0.00	0.00	0.00	0.00
375.26	0.02	0.00	376.62
458.63	0.15	0.00	463.57
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
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
623.04	0.02	0.00	625.01
640.24	0.21	0.01	647.14
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
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
34.48	0.00	0.00	34.65
0.00	0.00	0.00	0.00
623.04	0.03	0.00	625.06
0.00	0.00	0.00	0.00
333.72	0.11	0.00	337.31
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
2,936.30	0.95	0.03	2,967.95
690.39	0.07	0.01	693.90
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
604.11	0.20	0.01	610.61
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
CO2	CH4	N2O	CO2e
pounds/day	pounds/day	pounds/day	pounds/day
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
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
0.00	0.00	0.00	0.00
7,319.20	1.75	0.06	7,381.83
169.07	0.04	0.00	170.52

Equipment default values for horsepower and hours/day can be overridden in cells D403 through D436 and F403 through F436.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day
Aerial Lifts		63		8
Air Compressors		78		8
Bore/Drill Rigs		221	4.00	8
Cement and Mortar Mixers		9		8
Concrete/Industrial Saws		81		8
Cranes		231		8
Crawler Tractors		212		8
Crushing/Proc. Equipment		85		8
Excavators		158		8
Forklifts		89		8
Generator Sets		84		8
Graders		187		8
Off-Highway Tractors		124		8
Off-Highway Trucks		402		8
Other Construction Equipment		172		8
Other General Industrial Equipment		88		8
Other Material Handling Equipment		168		8
Pavers		130		8
Paving Equipment		132		8
Plate Compactors		8		8
Pressure Washers		13		8
Pumps		84		8
Rollers		80		8
Rough Terrain Forklifts		100		8
Rubber Tired Dozers		247		8
Rubber Tired Loaders		203		8
Scrapers		367		8
Signal Boards		6		8
Skid Steer Loaders		65		8
Surfacing Equipment		263		8
Sweepers/Scrubbers		64		8
Tractors/Loaders/Backhoes		97		8
Trenchers		78		8
Welders		46		8

END OF DATA ENTRY SHEET