

DOCKETED	
Docket Number:	22-SPPE-02
Project Title:	San Jose Data Center 04
TN #:	255059
Document Title:	AQ Memorandum Revised Construction Analysis - SJ04
Description:	N/A
Filer:	Scott Galati
Organization:	DayZenLLC
Submitter Role:	Applicant Representative
Submission Date:	3/14/2024 7:47:15 AM
Docketed Date:	3/14/2024



Memorandum

Date: March 5, 2024

To: Chad Mendell, Stantec

From: Greg Darvin, ADI

Subject: SJC04 Revised Construction Emissions Calculations

Project construction emissions of CO, VOCs, NO_x, SO₂, PM10, PM2.5, and CO₂e were revised to reflect updated project schedules, equipment and manpower inventories. The revised scenarios included the following construction revisions:

- Construction of SJC04 and SJC06 during the same 25-month time frame, starting January 1, 2025, and ending on January 31st, 2027 (non-phased construction scenario)
- Construction of SJC04 over a 25-month period, starting January 1, 2025, and ending on January 31st, 2027 (phased construction scenario)
- Construction of SJC06 over a 25-month period, starting January 1, 2027, and ending on January 31st, 2029 (phased construction scenario)
- Overlap between the end of the phased construction of SJC04 and the beginning of the phased construction of SJC06 in January 2027
- Construction of the Reclaim water line for both SJC04 and SJC06 over a one (1) year period in 2025.

Assumptions:

- Both construction options were assumed to start in January 2025. (This allowed for a consistent comparison of emissions.)
- The non-phased construction option assumed the entire facility was constructed in 25 months.
- The phased construction option assumed that each phase lasted for 25 months, with SJC04 constructed first, followed immediately by SJC06.
- SJC04 (Phase 1) incorporated by necessity the following support facilities: electrical substation, water storage tankage area, tank support building, as well as a majority of the parking and internal site access roads, etc.
- SJC06 (Phase 2) consisted primarily of the main building construction and its immediate parking lot and access areas.



- Construction of the Reclaim Water Line (offsite emissions) was also started and completed in 2025 as it is also necessary for the operation of both SJC04 and SJC06.
- The applicant supplied the revised cut and fill values (see note 9). A round trip (RT) mileage value for soil export from the site assumed a very high value of 150 miles (per the Applicant to accommodate hauling routes outside of the air basin).
- Due to item 4 above, a significant portion of the site preparation and grading activities will occur in Phase 1 (SJC04), but site prep and finish grading work may still be required for SJC06, therefore periods and equipment were still allocated for these activities in SJC06.
- Earthwork quantities were modified to reflect 123,167 cubic yards (y^3) of cut, 17,100 y^3 of fill and 106,067 y^3 of export.

Detailed construction emission calculations are presented in Appendix AQ1. Onsite construction emissions from construction of the project will result from site preparation and grading activities, building erection and parking lot construction activities, “finish” construction activities, and the use of onsite construction equipment. As noted, Construction emissions from the project include emissions from the Reclaim water line and SJC04/SJC06. Offsite construction emissions will be derived primarily from materials transport to and from the site, worker travel, and construction of the reclaim water line. Emissions from the continuous approximate 25 month combined (non-phased) and 50-month construction period (phased for 25 months for SJC04 and 25 months for SJC06) were estimated using the CalEEMod program. Estimated criteria pollutant construction emissions for the project are summarized in the tables that follow this section. Comparisons were made with the BAAQMD CEQA Significance Thresholds in each table and the construction emissions are all less than significant. It should be noted that the revised construction emissions presented below are all less than the construction emission calculations presented in the original submittal of the SPPE.

The BAAQMD CEQA Air Quality Guidelines considers exposure of sensitive receptors to air pollutant levels that result in an unacceptable cancer risk or hazard to be significant. BAAQMD recommends a 1,000-foot zone of influence around project boundaries. Since construction activities are typically temporary and mitigation measures as delineated below are proposed to be implemented, and since there are no identified sensitive receptors within 1000 ft. of the site boundary, community risk impacts from the revised construction activities would be less than previously assessed and therefore, *less than significant*.



Revised Microsoft Data Center (SJC04 and SJC06) Construction

Scenario Emissions Summaries (Mitigated)

SJC04/SJC06 Non-Phased Construction and Miscellaneous Post-Construction Operations Emissions Summary

Pollutant	ROG	NOx	CO	SO ₂	PM10 Fug	PM10 Exh	PM10 Total	PM2.5 Fug	PM2.5 Exh	PM2.5 Total	CO2e
Period, tons	3.42	3.03	5.41	.021	.361	.034	.395	.132	.033	.165	2203.7
Max Yr, tons	1.774	2.656	2.638	.0154	.288	.0274	.315	.110	.0264	.1364	1694.2
Max Year	2026	2025	2026	2025	2025	2025	2025	2025	2025	2025	2025
Avg Max Month, lbs	295.7	442.7	439.7	2.57	48	4.57	52.2	18.3	4.4	22.7	-
Avg Max Day, lbs	13.44	20.1	20	.117	2.18	.21	2.4	.83	.20	1.03	-
BAAQMD CEQA Thresholds lbs/day	54	54	--	--	--	82	--	--	54	--	--
Exceeds Thresholds	No	No	--	--	--	No	--	--	No	--	--
Post-Const Ops, tpy	2.35	.56	1.065	.00434	.06	.04	.10	.02	.04	.05	1921.5
Notes:											
Max month emissions are the max year emissions divided by 12.											
Max day emissions are the max month emissions divided by 22 (avg 22 work-days per month).											
Misc Ops emissions are for site use, etc., and do not included emissions for M&R Testing of the Emergency Engines.											



SJC04 (**Phased**) Phase 1 Construction and Miscellaneous Post-Construction Operations Emissions Summary

Pollutant	ROG	NOx	CO	SO ₂	PM10 Fug	PM10 Exh	PM10 Total	PM2.5 Fug	PM2.5 Exh	PM2.5 Total	CO2e
Period, tons	1.73	1.66	3.70	.012	.25	.02	.27	.01	.02	.12	1274.2
Max Yr, tons	.913	1.402	1.96	.0088	.21	.016	.225	.087	.015	.102	952.2
Max Year	2026	2025	2025	2025	2025	2025	2025	2025	2025	2025	2025
Avg Max Month, lbs	152.2	233.7	326.7	1.47	35	2.7	37.5	14.5	2.5	17	-
Avg Max Day, lbs	6.92	10.62	14.85	.067	1.59	.123	1.7	.66	.114	.773	-
BAAQMD CEQA Thresholds lbs/day	54	54	--	--	--	82	--	--	54	--	--
Exceeds Thresholds	No	No	--	--	--	No	--	--	No	--	--
Post-Const Ops, tpy	1.42	.273	.472	.002	.024	.02	.043	.0074	.02	.026	946.6
Notes:											
Max month emissions are the max year emissions divided by 12.											
Max day emissions are the max month emissions divided by 22 (avg 22 work-days per month).											
Misc Ops emissions are for site use, etc., and do not include emissions for M&R Testing of the Emergency Engines.											



SJC06 (Phased) Phase 2 Construction and Miscellaneous Post-Construction Operations Emissions Summary

Pollutant	ROG	NOx	CO	SO ₂	PM10 Fug	PM10 Exh	PM10 Total	PM2.5 Fug	PM2.5 Exh	PM2.5 Total	CO2e
Period, tons	1.7	1.53	2.45	.0097	.35	.016	.368	.095	.016	.11	1043
Max Yr, tons	1.62	1.28	1.02	.007	.222	.013	.235	.06	.012	.072	756.4
Max Year	2029	2027	2027	2027	2027	2027	2027	2027	2027	2027	2027
Avg Max Month, lbs	270	213.3	170	1.17	37	2.17	39.17	10	2	12	-
Avg Max Day, lbs	12.3	9.7	7.7	.053	1.7	.1	1.8	.45	.09	.55	-
BAAQMD CEQA Thresholds lbs/day	54	54	--	--	--	82	--	--	54	--	--
Exceeds Thresholds	No	No	--	--	--	No	--	--	No	--	--
Post-Const Ops, tpy	1.42	.271	.46	.002	.024	.019	.043	.0074	.019	.026	944
Notes:											
Max month emissions are the max year emissions divided by 12.											
Max day emissions are the max month emissions divided by 22 (avg 22 work-days per 30 day period).											
Misc Ops emissions are for site use, etc., and do not included emissions for M&R Testing of the Emergency Engines.											

SJC04/06 Reclaim Water Line Offsite Construction Emissions Summary

Pollutant	ROG	NOx	CO	SO ₂	PM10 Fug	PM10 Exh	PM10 Total	PM2.5 Fug	PM2.5 Exh	PM2.5 Total	CO2e
Period, tons	0.00892	0.0411	0.3599	0.00068	0.00564	0.00108	0.00672	0.00151	0.00108	0.00259	67.2
Max Yr, tons	0.00892	0.0411	0.3599	0.00068	0.00564	0.00108	0.00672	0.00151	0.00108	0.00259	67.2
Max Year	2025	2025	2025	2025	2025	2025	2025	2025	2025	2025	2025
Avg Max Month, lbs	4.46	20.55	179.95	0.34	2.82	0.54	3.36	0.755	0.54	1.3	-
Avg Max Day, lbs	0.20	9.93	8.18	0.015	0.13	0.025	0.153	0.034	0.025	0.06	-
BAAQMD CEQA Thresholds lbs/day	54	54	--	--	--	82	--	--	54	--	--
Exceeds Thresholds	No	No	--	--	--	No	--	--	No	--	--
Notes:											
Max month emissions are the max year emissions divided by 4 (4 month construction period).											
Max day emissions are the max month emissions divided by 22 (avg 22 work-days per month).											



SJC0406 Phase 1 and 2 Overlap Construction Year (2027) Emissions

Pollutant	ROG	NOx	CO	SO ₂	PM10 Fug	PM10 Exh	PM10 Total	PM2.5 Fug	PM2.5 Exh	PM2.5 Total	CO2e
Overlap Year, tons	.788	1.29	1.19	.0071	.223	.0132	.236	.0604	.013	.073	780.9
Avg Max Month, lbs	131.3	215	198.3	1.18	37.2	2.2	39.3	10.1	2.17	12.17	-
Avg Max Day, lbs	5.97	9.77	9/01	.054	1.69	.10	1.79	.46	.10	.55	-
BAAQMD CEQA Thresholds lbs/day	54	54	--	--	--	82	--	--	54	--	--
Exceeds Thresholds	No	No	--	--	--	No	--	--	No	--	--
Notes:											
Max month emissions are the max year emissions divided by 12.											
Max day emissions are the max month emissions divided by 22 (avg 22 work-days per month).											



Attachment 1

CalEEMod Outputs

Microsoft SJC04 - Santa Clara County, Annual

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

Microsoft SJC04
Santa Clara County, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	308.30	1000sqft	15.57	308,300.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2028
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 - Data from Applicant.

Land Use - Bldg data supplied by Applicant. Parcel size supplied Applicant.

Phase SJC04 includes SJC04 bldg, substation area, water storage area, tank support bldg, and parking/access paved areas for bldg 1 only.

Construction Phase - Const start and end dates supplied by Applicant. All start dates and phase dates are tentative and represent best estimates.

Off-road Equipment - Best estimate Applicant/ADI.

Off-road Equipment - Best estimate Applicant/ADI. Other Const EQ = water truck

Off-road Equipment - There is no demo phase for SJC04.

Off-road Equipment - Best estimate Applicant/ADI. Other Const EQ = water truck.

Off-road Equipment - Best estimate Applicant/ADI.

Off-road Equipment - Best estimate Applicant and ADI. Other Const EQ = water truck.

Trips and VMT - Assumed 4 vndor materials deliveries per const day duirng bldg phase.

Haulign trips based on cut export, concrete deliveries, and asphalt deliveries.

On-road Fugitive Dust - road sikt loading from EPA-454/R-23-001w, March 2023.

Microsoft SJC04 - Santa Clara County, Annual

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

Demolition - No demolition phase.

Grading - Applicant data.

Architectural Coating - Default values assumed.

Vehicle Trips - Based on 79 RTs/day and 308.30 x 1000 ft² = 0.256 = 0.26 (rounded value)

Road Dust - See earlier reference for sil loading. There are no unpaved roads onsite.

Area Coating - Defaults assumed.

Landscape Equipment - Defaults assumed.

Water And Wastewater - Indoor use based on employee numbers, Outdoor use based on landscape calculations.

Solid Waste - Based on 72 employees each at 1.15 ton/yr =~ 83 tpy

Land Use Change - Assumes ~94% of site is bldg, parking, access, and utilities, etc.

Construction Off-road Equipment Mitigation - Applicant assumed data based on const mix and EPA Tier at present.

Fleet Mix - Applicant estimates based on typical employee vehicles.

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00

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

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	300.00	413.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	30.00	76.00
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	10.00	33.00
tblGrading	AcresOfGrading	58.42	30.00
tblGrading	AcresOfGrading	30.11	15.57
tblGrading	MaterialExported	0.00	53,034.00
tblLandUse	LotAcreage	7.08	15.57
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	UsageHours	6.00	7.60
tblOffRoadEquipment	UsageHours	7.00	3.40
tblOffRoadEquipment	UsageHours	8.00	6.30
tblOffRoadEquipment	UsageHours	8.00	3.30
tblOffRoadEquipment	UsageHours	8.00	2.30
tblOffRoadEquipment	UsageHours	8.00	3.20
tblOffRoadEquipment	UsageHours	8.00	7.60
tblOffRoadEquipment	UsageHours	8.00	6.70
tblOffRoadEquipment	UsageHours	8.00	7.60
tblOffRoadEquipment	UsageHours	8.00	4.70
tblOffRoadEquipment	UsageHours	8.00	7.30
tblOffRoadEquipment	UsageHours	8.00	1.10
tblOffRoadEquipment	UsageHours	7.00	3.30
tblOffRoadEquipment	UsageHours	8.00	4.70
tblOffRoadEquipment	UsageHours	8.00	6.10
tblOffRoadEquipment	UsageHours	8.00	3.90
tblOnRoadDust	RoadSiltLoading	0.10	0.02
tblOnRoadDust	RoadSiltLoading	0.10	0.02
tblOnRoadDust	RoadSiltLoading	0.10	0.02
tblOnRoadDust	RoadSiltLoading	0.10	0.02
tblOnRoadDust	RoadSiltLoading	0.10	0.02
tblOnRoadDust	RoadSiltLoading	0.10	0.02
tblRoadDust	RoadSiltLoading	0.1	0.02

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

tblSolidWaste	SolidWasteGenerationRate	286.72	83.00
tblTripsAndVMT	HaulingTripLength	20.00	150.00
tblTripsAndVMT	HaulingTripNumber	6,629.00	2,652.00
tblTripsAndVMT	HaulingTripNumber	0.00	770.00
tblTripsAndVMT	HaulingTripNumber	0.00	41.00
tblTripsAndVMT	VendorTripNumber	51.00	4.00
tblVehicleTrips	ST_TR	2.21	0.26
tblVehicleTrips	SU_TR	0.70	0.26
tblVehicleTrips	WD_TR	9.74	0.26
tblWater	IndoorWaterUseRate	54,795,314.51	489,000.00
tblWater	OutdoorWaterUseRate	33,584,225.02	1,793,000.00

2.0 Emissions Summary

Microsoft SJC04 - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	0.1578	2.4226	1.7174	8.7600e-003	0.3050	0.0634	0.3685	0.1570	0.0590	0.2160						863.6359
2026	0.9888	0.9731	1.4414	3.0100e-003	0.0164	0.0409	0.0573	0.0119	0.0383	0.0502						269.7955
2027	0.7584	0.0855	0.1495	2.5000e-004	3.6000e-004	3.8500e-003	4.2100e-003	2.7000e-004	3.6500e-003	3.9100e-003						22.2537
Maximum	0.9888	2.4226	1.7174	8.7600e-003	0.3050	0.0634	0.3685	0.1570	0.0590	0.2160						863.6359

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	0.0627	1.4019	1.9570	8.7600e-003	0.2098	0.0155	0.2253	0.0872	0.0150	0.1022						863.6356
2026	0.9131	0.2402	1.5787	3.0100e-003	0.0387	3.9100e-003	0.0426	0.0119	3.8600e-003	0.0158						269.7953
2027	0.7512	0.0212	0.1687	2.5000e-004	8.7000e-004	3.7000e-004	1.2400e-003	2.7000e-004	3.7000e-004	6.4000e-004						22.2537
Maximum	0.9131	1.4019	1.9570	8.7600e-003	0.2098	0.0155	0.2253	0.0872	0.0150	0.1022						863.6356

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	9.35	52.22	-11.98	0.00	22.50	81.73	37.41	41.23	80.98	56.09	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	1-1-2025	3-31-2025	0.9722	0.5635
2	4-1-2025	6-30-2025	1.0961	0.7545
3	7-1-2025	9-30-2025	0.2499	0.0670
4	10-1-2025	12-31-2025	0.2518	0.0689
5	1-1-2026	3-31-2026	0.2454	0.0665
6	4-1-2026	6-30-2026	0.2463	0.0654
7	7-1-2026	9-30-2026	0.2490	0.0661
8	10-1-2026	12-31-2026	1.1854	0.9233
9	1-1-2027	3-31-2027	0.8440	0.7725
		Highest	1.1854	0.9233

Microsoft SJC04 - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr														MT/yr	
Area	1.3651	3.0000e-005	2.8300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						5.8700e-003
Energy	0.0269	0.2448	0.2057	1.4700e-003		0.0186	0.0186		0.0186	0.0186						762.7258
Mobile	0.0272	0.0284	0.2631	5.7000e-004	0.0240	3.8000e-004	0.0244	7.4200e-003	3.5000e-004	7.7700e-003						53.1780
Waste						0.0000	0.0000		0.0000	0.0000						41.7408
Water						0.0000	0.0000		0.0000	0.0000						1.4992
Total	1.4192	0.2733	0.4716	2.0400e-003	0.0240	0.0190	0.0430	7.4200e-003	0.0190	0.0264						859.1498

Microsoft SJC04 - Santa Clara County, Annual

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

2.2 Overall Operational

Mitigated Operational

Microsoft SJC04 - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.3 Vegetation****Vegetation**

	CO2e
Category	MT
Vegetation Land Change	-82.9675
Total	-82.9675

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2025	12/31/2024	5	0	No Demo Phase
2	Site Preparation	Site Preparation	1/1/2025	2/15/2025	5	33	
3	Grading	Grading	2/16/2025	6/2/2025	5	76	
4	Building Construction	Building Construction	6/3/2025	12/31/2026	5	413	
5	Paving	Paving	12/1/2026	1/28/2027	5	43	
6	Architectural Coating	Architectural Coating	12/1/2026	1/28/2027	5	43	

Acres of Grading (Site Preparation Phase): 15.57**Acres of Grading (Grading Phase): 30****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 462,450; Non-Residential Outdoor: 154,150; Striped Parking Area: 0 (Architectural Coating – sqft)**

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

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Graders	1	7.30	187	0.41
Site Preparation	Other Construction Equipment	1	7.80	172	0.42
Site Preparation	Rubber Tired Dozers	1	7.30	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	6.10	97	0.37
Grading	Excavators	2	6.30	158	0.38
Grading	Graders	1	3.20	187	0.41
Grading	Other Construction Equipment	1	7.90	172	0.42
Grading	Rubber Tired Dozers	1	4.70	247	0.40
Grading	Scrapers	2	1.10	367	0.48
Grading	Tractors/Loaders/Backhoes	2	4.70	97	0.37
Building Construction	Cranes	1	3.40	231	0.29
Building Construction	Forklifts	3	3.30	89	0.20
Building Construction	Generator Sets	1	2.30	84	0.74
Building Construction	Other Construction Equipment	1	3.90	172	0.42
Building Construction	Tractors/Loaders/Backhoes	2	3.30	97	0.37
Building Construction	Welders	1	3.90	46	0.45
Paving	Pavers	1	7.60	130	0.42
Paving	Paving Equipment	2	6.70	132	0.36
Paving	Rollers	1	7.60	80	0.38
Paving	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Architectural Coating	Aerial Lifts	1	7.60	63	0.31
Architectural Coating	Air Compressors	2	7.60	78	0.48

Trips and VMT

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

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	9	23.00	0.00	2,652.00	10.80	7.30	150.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	99.00	4.00	770.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	4	10.00	0.00	41.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	3	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.3 Site Preparation - 2025Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0989	0.0000	0.0989	0.0507	0.0000	0.0507						0.0000
Off-Road	0.0209	0.2131	0.1615	3.7000e-004		9.0200e-003	9.0200e-003		8.3000e-003	8.3000e-003						32.4848
Total	0.0209	0.2131	0.1615	3.7000e-004	0.0989	9.0200e-003	0.1080	0.0507	8.3000e-003	0.0590						32.4848

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

3.3 Site Preparation - 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	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	3.6000e-004	2.3000e-004	3.2200e-003	1.0000e-005	1.8000e-004	1.0000e-005	1.8000e-004	1.3000e-004	1.0000e-005	1.4000e-004						0.9403	
Total	3.6000e-004	2.3000e-004	3.2200e-003	1.0000e-005	1.8000e-004	1.0000e-005	1.8000e-004	1.3000e-004	1.0000e-005	1.4000e-004						0.9403	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0445	0.0000	0.0445	0.0228	0.0000	0.0228						0.0000
Off-Road	4.5000e-003	0.0195	0.2078	3.7000e-004		6.0000e-004	6.0000e-004		6.0000e-004	6.0000e-004						32.4848
Total	4.5000e-003	0.0195	0.2078	3.7000e-004	0.0445	6.0000e-004	0.0451	0.0228	6.0000e-004	0.0234						32.4848

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

3.3 Site Preparation - 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	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	3.6000e-004	2.3000e-004	3.2200e-003	1.0000e-005	4.4000e-004	1.0000e-005	4.4000e-004	1.3000e-004	1.0000e-005	1.4000e-004						0.9403	
Total	3.6000e-004	2.3000e-004	3.2200e-003	1.0000e-005	4.4000e-004	1.0000e-005	4.4000e-004	1.3000e-004	1.0000e-005	1.4000e-004						0.9403	

3.4 Grading - 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					0.1534	0.0000	0.1534	0.0761	0.0000	0.0761						0.0000
Off-Road	0.0533	0.5035	0.5920	1.1300e-003		0.0222	0.0222		0.0204	0.0204						100.0769
Total	0.0533	0.5035	0.5920	1.1300e-003	0.1534	0.0222	0.1755	0.0761	0.0204	0.0965						100.0769

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

3.4 Grading - 2025

Unmitigated Construction Off-Site

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0690	0.0000	0.0690	0.0342	0.0000	0.0342						0.0000
Off-Road	0.0139	0.0602	0.7182	1.1300e-003		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003						100.0768
Total	0.0139	0.0602	0.7182	1.1300e-003	0.0690	1.8500e-003	0.0709	0.0342	1.8500e-003	0.0361						100.0768

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

3.4 Grading - 2025

Mitigated Construction Off-Site

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0516	0.4674	0.5917	9.9000e-004		0.0208	0.0208		0.0194	0.0194						86.1939
Total	0.0516	0.4674	0.5917	9.9000e-004		0.0208	0.0208		0.0194	0.0194						86.1939

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

3.5 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	2.9000e-004	0.0192	4.5200e-003	8.0000e-005	6.1000e-004	1.6000e-004	7.6000e-004	3.2000e-004	1.5000e-004	4.7000e-004						8.5843	
Vendor	3.2000e-004	0.0135	4.1200e-003	6.0000e-005	5.9000e-004	8.0000e-005	6.7000e-004	3.1000e-004	8.0000e-005	3.9000e-004						6.1130	
Worker	0.0166	0.0106	0.1470	4.6000e-004	8.0900e-003	2.7000e-004	8.3600e-003	6.1400e-003	2.5000e-004	6.3800e-003						42.8792	
Total	0.0172	0.0432	0.1556	6.0000e-004	9.2900e-003	5.1000e-004	9.7900e-003	6.7700e-003	4.8000e-004	7.2400e-003						57.5764	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0123	0.0836	0.6588	9.9000e-004		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003						86.1938
Total	0.0123	0.0836	0.6588	9.9000e-004		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003						86.1938

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

3.5 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	2.9000e-004	0.0192	4.5200e-003	8.0000e-005	1.0200e-003	1.6000e-004	1.1800e-003	3.2000e-004	1.5000e-004	4.7000e-004						8.5843	
Vendor	3.2000e-004	0.0135	4.1200e-003	6.0000e-005	9.2000e-004	8.0000e-005	1.0000e-003	3.1000e-004	8.0000e-005	3.9000e-004						6.1130	
Worker	0.0166	0.0106	0.1470	4.6000e-004	0.0200	2.7000e-004	0.0203	6.1400e-003	2.5000e-004	6.3800e-003						42.8792	
Total	0.0172	0.0432	0.1556	6.0000e-004	0.0220	5.1000e-004	0.0225	6.7700e-003	4.8000e-004	7.2400e-003						57.5764	

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0886	0.8026	1.0161	1.7100e-003		0.0356	0.0356		0.0333	0.0333						148.0040
Total	0.0886	0.8026	1.0161	1.7100e-003		0.0356	0.0356		0.0333	0.0333						148.0040

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

3.5 Building Construction - 2026

Unmitigated Construction Off-Site

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0212	0.1436	1.1312	1.7100e-003		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003						148.0038
Total	0.0212	0.1436	1.1312	1.7100e-003		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003						148.0038

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

3.5 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	5.0000e-004	0.0326	7.7900e-003	1.4000e-004	1.7600e-003	2.7000e-004	2.0200e-003	5.5000e-004	2.6000e-004	8.1000e-004						14.4386	
Vendor	5.3000e-004	0.0230	6.9800e-003	1.0000e-004	1.5800e-003	1.4000e-004	1.7100e-003	5.4000e-004	1.3000e-004	6.7000e-004						10.3103	
Worker	0.0270	0.0165	0.2383	7.7000e-004	0.0344	4.4000e-004	0.0348	0.0105	4.0000e-004	0.0109						71.3817	
Total	0.0280	0.0722	0.2531	1.0100e-003	0.0377	8.5000e-004	0.0385	0.0116	7.9000e-004	0.0124						96.1307	

3.6 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.2200e-003	0.0574	0.1009	1.6000e-004		2.8100e-003	2.8100e-003		2.5800e-003	2.5800e-003						14.0305
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Total	6.2200e-003	0.0574	0.1009	1.6000e-004		2.8100e-003	2.8100e-003		2.5800e-003	2.5800e-003						14.0305

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

3.6 Paving - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	2.0000e-005	1.4700e-003	3.5000e-004	1.0000e-005	5.0000e-005	1.0000e-005	6.0000e-005	2.0000e-005	1.0000e-005	4.0000e-005						0.6507	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	2.4000e-004	1.5000e-004	2.1200e-003	1.0000e-005	1.2000e-004	0.0000	1.3000e-004	9.0000e-005	0.0000	1.0000e-004						0.6354	
Total	2.6000e-004	1.6200e-003	2.4700e-003	2.0000e-005	1.7000e-004	1.0000e-005	1.9000e-004	1.1000e-004	1.0000e-005	1.4000e-004						1.2861	

Mitigated Construction On-Site

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

3.6 Paving - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	2.0000e-005	1.4700e-003	3.5000e-004	1.0000e-005	8.0000e-005	1.0000e-005	9.0000e-005	2.0000e-005	1.0000e-005	4.0000e-005						0.6507	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	2.4000e-004	1.5000e-004	2.1200e-003	1.0000e-005	3.1000e-004	0.0000	3.1000e-004	9.0000e-005	0.0000	1.0000e-004						0.6354	
Total	2.6000e-004	1.6200e-003	2.4700e-003	2.0000e-005	3.9000e-004	1.0000e-005	4.0000e-004	1.1000e-004	1.0000e-005	1.4000e-004						1.2861	

3.6 Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.4100e-003	0.0499	0.0877	1.4000e-004		2.4400e-003	2.4400e-003		2.2500e-003	2.2500e-003						12.2005
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Total	5.4100e-003	0.0499	0.0877	1.4000e-004		2.4400e-003	2.4400e-003		2.2500e-003	2.2500e-003						12.2005

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3.6 Paving - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	2.0000e-005	1.2700e-003	3.1000e-004	1.0000e-005	4.0000e-005	1.0000e-005	5.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005						0.5530	
Vendor	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-004	1.2000e-004	1.7500e-003	1.0000e-005	1.1000e-004	0.0000	1.1000e-004	8.0000e-005	0.0000	8.0000e-005						0.5368	
Total	2.2000e-004	1.3900e-003	2.0600e-003	2.0000e-005	1.5000e-004	1.0000e-005	1.6000e-004	1.0000e-004	1.0000e-005	1.1000e-004						1.0898	

Mitigated Construction On-Site

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Paving - 2027****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	2.0000e-005	1.2700e-003	3.1000e-004	1.0000e-005	7.0000e-005	1.0000e-005	8.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005						0.5530	
Vendor	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-004	1.2000e-004	1.7500e-003	1.0000e-005	2.7000e-004	0.0000	2.7000e-004	8.0000e-005	0.0000	8.0000e-005						0.5368	
Total	2.2000e-004	1.3900e-003	2.0600e-003	2.0000e-005	3.4000e-004	1.0000e-005	3.5000e-004	1.0000e-004	1.0000e-005	1.1000e-004						1.0898	

3.7 Architectural Coating - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8599						0.0000	0.0000		0.0000	0.0000					0.0000
Off-Road	5.3500e-003	0.0391	0.0646	1.0000e-004		1.6000e-003	1.6000e-003		1.5900e-003	1.5900e-003						9.0734
Total	0.8652	0.0391	0.0646	1.0000e-004		1.6000e-003	1.6000e-003		1.5900e-003	1.5900e-003						9.0734

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 Architectural Coating - 2026****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	4.8000e-004	2.9000e-004	4.2400e-003	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	1.9000e-004	1.0000e-005	1.9000e-004						1.2708	
Total	4.8000e-004	2.9000e-004	4.2400e-003	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	1.9000e-004	1.0000e-005	1.9000e-004						1.2708	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8599						0.0000	0.0000		0.0000	0.0000					0.0000	
Off-Road	1.3200e-003	0.0141	0.0673	1.0000e-004		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004						9.0734	
Total	0.8612	0.0141	0.0673	1.0000e-004		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004						9.0734	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 Architectural Coating - 2026****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	4.8000e-004	2.9000e-004	4.2400e-003	1.0000e-005	6.1000e-004	1.0000e-005	6.2000e-004	1.9000e-004	1.0000e-005	1.9000e-004						1.2708	
Total	4.8000e-004	2.9000e-004	4.2400e-003	1.0000e-005	6.1000e-004	1.0000e-005	6.2000e-004	1.9000e-004	1.0000e-005	1.9000e-004						1.2708	

3.7 Architectural Coating - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Archit. Coating	0.7477						0.0000	0.0000		0.0000	0.0000					0.0000	
Off-Road	4.6500e-003	0.0340	0.0562	9.0000e-005		1.3900e-003	1.3900e-003		1.3800e-003	1.3800e-003						7.8899	
Total	0.7524	0.0340	0.0562	9.0000e-005		1.3900e-003	1.3900e-003		1.3800e-003	1.3800e-003						7.8899	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 Architectural Coating - 2027****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	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	2.3000e-004	3.5000e-003	1.0000e-005	2.2000e-004	1.0000e-005	2.2000e-004	1.6000e-004	1.0000e-005	1.7000e-004						1.0736	
Total	4.0000e-004	2.3000e-004	3.5000e-003	1.0000e-005	2.2000e-004	1.0000e-005	2.2000e-004	1.6000e-004	1.0000e-005	1.7000e-004						1.0736	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7477						0.0000	0.0000		0.0000	0.0000					0.0000	
Off-Road	1.1500e-003	0.0122	0.0585	9.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004						7.8899	
Total	0.7489	0.0122	0.0585	9.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004						7.8899	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 Architectural Coating - 2027****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	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	2.3000e-004	3.5000e-003	1.0000e-005	5.3000e-004	1.0000e-005	5.4000e-004	1.6000e-004	1.0000e-005	1.7000e-004						1.0736	
Total	4.0000e-004	2.3000e-004	3.5000e-003	1.0000e-005	5.3000e-004	1.0000e-005	5.4000e-004	1.6000e-004	1.0000e-005	1.7000e-004						1.0736	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Mitigated	0.0272	0.0284	0.2631	5.7000e-004	0.0240	3.8000e-004	0.0244	7.4200e-003	3.5000e-004	7.7700e-003						53.1780	
Unmitigated	0.0272	0.0284	0.2631	5.7000e-004	0.0240	3.8000e-004	0.0244	7.4200e-003	3.5000e-004	7.7700e-003						53.1780	

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
General Office Building	80.16	80.16	80.16	191,558	191,558	191,558	191,558
Total	80.16	80.16	80.16	191,558	191,558	191,558	191,558

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
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.576295	0.056490	0.183529	0.114985	0.020137	0.005304	0.008188	0.006136	0.000868	0.000349	0.024273	0.000862	0.002585

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.0 Energy Detail**

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr												MT/yr			
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000						494.6186
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000						494.6186
NaturalGas Mitigated	0.0269	0.2448	0.2057	1.4700e-003		0.0186	0.0186		0.0186	0.0186						268.1072
NaturalGas Unmitigated	0.0269	0.2448	0.2057	1.4700e-003		0.0186	0.0186		0.0186	0.0186						268.1072

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	4.99446e+006	0.0269	0.2448	0.2057	1.4700e-003			0.0186	0.0186		0.0186	0.0186					268.1072
Total		0.0269	0.2448	0.2057	1.4700e-003			0.0186	0.0186		0.0186	0.0186					268.1072

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	4.99446e+006	0.0269	0.2448	0.2057	1.4700e-003			0.0186	0.0186		0.0186	0.0186					268.1072
Total		0.0269	0.2448	0.2057	1.4700e-003			0.0186	0.0186		0.0186	0.0186					268.1072

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	5.29351e +006				494.6186
Total					494.6186

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	5.29351e +006				494.6186
Total					494.6186

6.0 Area Detail**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

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

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr												MT/yr				
Mitigated	1.3651	3.0000e-005	2.8300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						5.8700e-003	
Unmitigated	1.3651	3.0000e-005	2.8300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						5.8700e-003	

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1608					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	1.2041					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	2.6000e-004	3.0000e-005	2.8300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						5.8700e-003
Total	1.3651	3.0000e-005	2.8300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						5.8700e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1608						0.0000	0.0000		0.0000	0.0000					0.0000
Consumer Products	1.2041						0.0000	0.0000		0.0000	0.0000					0.0000
Landscaping	2.6000e-004	3.0000e-005	2.8300e-003	0.0000			1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005					5.8700e-003
Total	1.3651	3.0000e-005	2.8300e-003	0.0000			1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005					5.8700e-003

7.0 Water Detail**7.1 Mitigation Measures Water**

Use Reclaimed Water

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				0.9003
Unmitigated				1.4992

7.2 Water by Land Use**Unmitigated**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.489 / 1.793				1.4992
Total					1.4992

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**7.2 Water by Land Use****Mitigated**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.293791 / 1.0758				0.9003
Total					0.9003

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				41.7408
Unmitigated				41.7408

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	83				41.7408
Total					41.7408

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	83				41.7408
Total					41.7408

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 Not Applied

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

User Defined Equipment

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

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated				-82.9675

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**11.1 Vegetation Land Change****Vegetation Type**

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Grassland	21.25 / 2				-82.9675
Total					-82.9675

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

Microsoft SJC06
Santa Clara County, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	308.30	1000sqft	6.30	308,300.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2030
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 - Applicant supplied start and phase times. Start and phased times are tentative and best estimates.

Land Use - SJC06 acres based on the buildup of SJC04. SJC06 is basically bldg construction and some preliminary site prep and grading.

Construction Phase - Applicant best estimates of dates.

Off-road Equipment - Best estimates.

Off-road Equipment - Best estimates.

Off-road Equipment - No demolition phase.

Off-road Equipment - Best estimates.

Off-road Equipment - Best estimates.

Off-road Equipment - Best estimates.

Trips and VMT - Hauling trips based on: Soil export of 53034 cu.yd, concrete deliveries of 770, and asphalt deliveries of 46.

Worker trips adjusted for lesser manpower schedule for SJC06.

Demolition - No demolition.

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

Grading - See notes on SJC04.

Vehicle Trips - Based on SJC06 308.300 x 1000 ft² and 79 trips per day.

Road Dust - See reference for the silt loading value in SJC04.

Area Coating - Defaults assumed.

Landscape Equipment - Defaults assumed.

Energy Use - Defaults assumed.

Water And Wastewater - Same calcs as SJC04.

Solid Waste - Same calcs as SJC04.

Construction Off-road Equipment Mitigation - Same reference as SJC04.

Area Mitigation - Same commets as SJC04.

Fleet Mix - Based on typical employee vehicles.

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

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	230.00	405.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	20.00	78.00
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	10.00	32.00
tblGrading	AcresOfGrading	0.00	6.30
tblGrading	AcresOfGrading	0.00	6.30
tblGrading	MaterialExported	0.00	53,034.00
tblLandUse	LotAcreage	7.08	6.30
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	UsageHours	6.00	7.40
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	3.40
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	6.20
tblOffRoadEquipment	UsageHours	8.00	3.30
tblOffRoadEquipment	UsageHours	8.00	0.60
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	7.60
tblOffRoadEquipment	UsageHours	8.00	6.70
tblOffRoadEquipment	UsageHours	8.00	7.60
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.70
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	2.90
tblOffRoadEquipment	UsageHours	8.00	4.70
tblOffRoadEquipment	UsageHours	8.00	6.50
tblOffRoadEquipment	UsageHours	8.00	3.90
tblRoadDust	RoadSiltLoading	0.1	0.02
tblSolidWaste	SolidWasteGenerationRate	286.72	83.00
tblTripsAndVMT	HaulingTripLength	20.00	150.00
tblTripsAndVMT	HaulingTripNumber	6,629.00	2,652.00
tblTripsAndVMT	HaulingTripNumber	0.00	770.00

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tblTripsAndVMT	HaulingTripNumber	0.00	46.00
tblTripsAndVMT	VendorTripNumber	51.00	4.00
tblVehicleTrips	ST_TR	2.21	0.26
tblVehicleTrips	SU_TR	0.70	0.26
tblVehicleTrips	WD_TR	9.74	0.26
tblWater	IndoorWaterUseRate	54,795,314.51	489,000.00
tblWater	OutdoorWaterUseRate	33,584,225.02	1,793,000.00

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2027	0.0369	1.2774	1.0164	6.8000e-003	0.2223	0.0128	0.2351	0.0601	0.0123	0.0723						686.0911
2028	0.0406	0.1872	1.0024	2.1400e-003	0.1097	2.6500e-003	0.1123	0.0293	2.6000e-003	0.0319						193.5668
2029	1.6192	0.0660	0.4358	7.4000e-004	0.0199	1.0200e-003	0.0210	5.3200e-003	1.0200e-003	6.3400e-003						66.3406
Maximum	1.6192	1.2774	1.0164	6.8000e-003	0.2223	0.0128	0.2351	0.0601	0.0123	0.0723						686.0911

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	5.94	39.78	-10.12	0.00	1.49	76.29	13.66	0.68	75.45	30.94	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-1-2027	5-31-2027	0.6052	0.5175
2	6-1-2027	8-31-2027	0.7985	0.6635
3	9-1-2027	11-30-2027	0.1878	0.0583
4	12-1-2027	2-29-2028	0.1879	0.0584
5	3-1-2028	5-31-2028	0.1885	0.0576
6	6-1-2028	8-31-2028	0.1879	0.0570
7	9-1-2028	11-30-2028	0.1871	0.0575
8	12-1-2028	2-28-2029	1.1144	0.9305
9	3-1-2029	5-31-2029	0.8311	0.7698
		Highest	1.1144	0.9305

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

2.2 Overall Operational

Unmitigated Operational

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

2.2 Overall Operational

Mitigated Operational

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.3 Vegetation****Vegetation**

	CO2e
Category	MT
Vegetation Land Change	0.0000
Total	0.0000

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/28/2027	2/28/2027	5	0	No Demo phase
2	Site Preparation	Site Preparation	3/1/2027	4/13/2027	5	32	
3	Grading	Grading	4/14/2027	7/30/2027	5	78	
4	Building Construction	Building Construction	7/31/2027	2/18/2029	5	405	
5	Paving	Paving	1/28/2029	3/28/2029	5	43	
6	Architectural Coating	Architectural Coating	1/28/2029	3/28/2029	5	43	

Acres of Grading (Site Preparation Phase): 6.3**Acres of Grading (Grading Phase): 6.3****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 462,450; Non-Residential Outdoor: 154,150; Striped Parking Area: 0 (Architectural Coating – sqft)**

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

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	0.00	81	0.73
Demolition	Excavators	0	0.00	158	0.38
Demolition	Rubber Tired Dozers	0	0.00	247	0.40
Site Preparation	Graders	0	7.70	187	0.41
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	6.50	97	0.37
Grading	Excavators	1	6.20	158	0.38
Grading	Graders	0	0.00	187	0.41
Grading	Other Construction Equipment	1	7.90	172	0.42
Grading	Rubber Tired Dozers	0	4.70	247	0.40
Grading	Tractors/Loaders/Backhoes	1	4.70	97	0.37
Building Construction	Cranes	1	3.40	231	0.29
Building Construction	Forklifts	2	3.30	89	0.20
Building Construction	Generator Sets	0	0.60	84	0.74
Building Construction	Other Construction Equipment	1	3.90	172	0.42
Building Construction	Tractors/Loaders/Backhoes	1	2.90	97	0.37
Building Construction	Welders	1	3.90	46	0.45
Paving	Pavers	1	7.60	130	0.42
Paving	Paving Equipment	1	6.70	132	0.36
Paving	Rollers	1	7.60	80	0.38
Architectural Coating	Aerial Lifts	1	7.40	63	0.31
Architectural Coating	Air Compressors	2	7.40	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	2,652.00	10.80	7.30	150.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	99.00	4.00	770.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	46.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	3	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2027

Unmitigated Construction On-Site

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

3.2 Demolition - 2027

Unmitigated Construction Off-Site

Mitigated Construction On-Site

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 Demolition - 2027****Mitigated Construction Off-Site**

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

3.3 Site Preparation - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.3400e-003	0.0000	3.3400e-003	3.6000e-004	0.0000	3.6000e-004						0.0000
Off-Road	1.7200e-003	0.0174	0.0290	4.0000e-005		7.0000e-004	7.0000e-004		6.5000e-004	6.5000e-004						3.5911
Total	1.7200e-003	0.0174	0.0290	4.0000e-005	3.3400e-003	7.0000e-004	4.0400e-003	3.6000e-004	6.5000e-004	1.0100e-003						3.5911

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Site Preparation - 2027****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	1.0000e-004	6.0000e-005	8.4000e-004	0.0000	3.8000e-004	0.0000	3.8000e-004	1.0000e-004	0.0000	1.0000e-004						0.2577	
Total	1.0000e-004	6.0000e-005	8.4000e-004	0.0000	3.8000e-004	0.0000	3.8000e-004	1.0000e-004	0.0000	1.0000e-004						0.2577	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Fugitive Dust					1.5000e-003	0.0000	1.5000e-003	1.6000e-004	0.0000	1.6000e-004						0.0000	
Off-Road	4.9000e-004	2.1400e-003	0.0305	4.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005						3.5911	
Total	4.9000e-004	2.1400e-003	0.0305	4.0000e-005	1.5000e-003	7.0000e-005	1.5700e-003	1.6000e-004	7.0000e-005	2.3000e-004						3.5911	

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3.3 Site Preparation - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	1.0000e-004	6.0000e-005	8.4000e-004	0.0000	3.8000e-004	0.0000	3.8000e-004	1.0000e-004	0.0000	1.0000e-004						0.2577	
Total	1.0000e-004	6.0000e-005	8.4000e-004	0.0000	3.8000e-004	0.0000	3.8000e-004	1.0000e-004	0.0000	1.0000e-004						0.2577	

3.4 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.3400e-003	0.0000	6.3400e-003	8.1000e-004	0.0000	8.1000e-004						0.0000
Off-Road	0.0196	0.1739	0.3035	4.7000e-004		8.5500e-003	8.5500e-003		7.8700e-003	7.8700e-003						41.2431
Total	0.0196	0.1739	0.3035	4.7000e-004	6.3400e-003	8.5500e-003	0.0149	8.1000e-004	7.8700e-003	8.6800e-003						41.2431

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

3.4 Grading - 2027

Unmitigated Construction Off-Site

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.8500e-003	0.0000	2.8500e-003	3.7000e-004	0.0000	3.7000e-004						0.0000
Off-Road	5.7300e-003	0.0249	0.3536	4.7000e-004		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004						41.2431
Total	5.7300e-003	0.0249	0.3536	4.7000e-004	2.8500e-003	7.6000e-004	3.6100e-003	3.7000e-004	7.6000e-004	1.1300e-003						41.2431

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3.4 Grading - 2027

Mitigated Construction Off-Site

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0278	0.2478	0.2879	5.0000e-004		0.0111	0.0111		0.0103	0.0103						43.3334
Total	0.0278	0.2478	0.2879	5.0000e-004		0.0111	0.0111		0.0103	0.0103						43.3334

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

3.5 Building Construction - 2027

Unmitigated Construction Off-Site

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4900e-003	0.0500	0.3267	5.0000e-004		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004						43.3334
Total	6.4900e-003	0.0500	0.3267	5.0000e-004		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004						43.3334

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

3.5 Building Construction - 2027

Mitigated Construction Off-Site

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0657	0.5858	0.6805	1.1800e-003		0.0263	0.0263		0.0244	0.0244						102.4245
Total	0.0657	0.5858	0.6805	1.1800e-003		0.0263	0.0263		0.0244	0.0244						102.4245

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

3.5 Building Construction - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	5.0000e-004	0.0325	7.9200e-003	1.3000e-004	4.2000e-003	2.7000e-004	4.4600e-003	1.1500e-003	2.6000e-004	1.4100e-003						13.9999	
Vendor	5.1000e-004	0.0226	6.8200e-003	1.0000e-004	3.4200e-003	1.3000e-004	3.5600e-003	9.9000e-004	1.3000e-004	1.1200e-003						9.8722	
Worker	0.0242	0.0140	0.2155	7.3000e-004	0.1021	3.9000e-004	0.1025	0.0272	3.6000e-004	0.0275						67.2703	
Total	0.0252	0.0691	0.2302	9.6000e-004	0.1097	7.9000e-004	0.1105	0.0293	7.5000e-004	0.0300						91.1424	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0154	0.1181	0.7722	1.1800e-003		1.8600e-003	1.8600e-003		1.8600e-003	1.8600e-003						102.4244
Total	0.0154	0.1181	0.7722	1.1800e-003		1.8600e-003	1.8600e-003		1.8600e-003	1.8600e-003						102.4244

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3.5 Building Construction - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	5.0000e-004	0.0325	7.9200e-003	1.3000e-004	4.2000e-003	2.7000e-004	4.4600e-003	1.1500e-003	2.6000e-004	1.4100e-003						13.9999	
Vendor	5.1000e-004	0.0226	6.8200e-003	1.0000e-004	3.4200e-003	1.3000e-004	3.5600e-003	9.9000e-004	1.3000e-004	1.1200e-003						9.8722	
Worker	0.0242	0.0140	0.2155	7.3000e-004	0.1021	3.9000e-004	0.1025	0.0272	3.6000e-004	0.0275						67.2703	
Total	0.0252	0.0691	0.2302	9.6000e-004	0.1097	7.9000e-004	0.1105	0.0293	7.5000e-004	0.0300						91.1424	

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.8500e-003	0.0789	0.0916	1.6000e-004		3.5400e-003	3.5400e-003		3.2900e-003	3.2900e-003						13.7879
Total	8.8500e-003	0.0789	0.0916	1.6000e-004		3.5400e-003	3.5400e-003		3.2900e-003	3.2900e-003						13.7879

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3.5 Building Construction - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	7.0000e-005	4.2900e-003	1.0600e-003	2.0000e-005	5.6000e-004	4.0000e-005	6.0000e-004	1.6000e-004	3.0000e-005	1.9000e-004						1.8282	
Vendor	7.0000e-005	3.0100e-003	9.1000e-004	1.0000e-005	4.6000e-004	2.0000e-005	4.8000e-004	1.3000e-004	2.0000e-005	1.5000e-004						1.2985	
Worker	3.0900e-003	1.7600e-003	0.0278	1.0000e-004	0.0137	5.0000e-005	0.0138	3.6500e-003	4.0000e-005	3.7000e-003						8.8370	
Total	3.2300e-003	9.0600e-003	0.0298	1.3000e-004	0.0148	1.1000e-004	0.0149	3.9400e-003	9.0000e-005	4.0400e-003						11.9637	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.0700e-003	0.0159	0.1040	1.6000e-004		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004						13.7879
Total	2.0700e-003	0.0159	0.1040	1.6000e-004		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004						13.7879

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

3.5 Building Construction - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	7.0000e-005	4.2900e-003	1.0600e-003	2.0000e-005	5.6000e-004	4.0000e-005	6.0000e-004	1.6000e-004	3.0000e-005	1.9000e-004						1.8282	
Vendor	7.0000e-005	3.0100e-003	9.1000e-004	1.0000e-005	4.6000e-004	2.0000e-005	4.8000e-004	1.3000e-004	2.0000e-005	1.5000e-004						1.2985	
Worker	3.0900e-003	1.7600e-003	0.0278	1.0000e-004	0.0137	5.0000e-005	0.0138	3.6500e-003	4.0000e-005	3.7000e-003						8.8370	
Total	3.2300e-003	9.0600e-003	0.0298	1.3000e-004	0.0148	1.1000e-004	0.0149	3.9400e-003	9.0000e-005	4.0400e-003						11.9637	

3.6 Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.9900e-003	0.0846	0.1427	2.2000e-004		4.1200e-003	4.1200e-003		3.7900e-003	3.7900e-003						19.7377
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Total	8.9900e-003	0.0846	0.1427	2.2000e-004		4.1200e-003	4.1200e-003		3.7900e-003	3.7900e-003						19.7377

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

3.6 Paving - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	5.0000e-005	2.9700e-003	7.3000e-004	1.0000e-005	3.9000e-004	2.0000e-005	4.2000e-004	1.1000e-004	2.0000e-005	1.3000e-004						1.2638	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	3.1000e-004	1.7000e-004	2.7600e-003	1.0000e-005	1.3600e-003	0.0000	1.3700e-003	3.6000e-004	0.0000	3.7000e-004						0.8773	
Total	3.6000e-004	3.1400e-003	3.4900e-003	2.0000e-005	1.7500e-003	2.0000e-005	1.7900e-003	4.7000e-004	2.0000e-005	5.0000e-004						2.1411	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.7400e-003	0.0119	0.1691	2.2000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004						19.7377
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Total	2.7400e-003	0.0119	0.1691	2.2000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004						19.7377

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

3.6 Paving - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	5.0000e-005	2.9700e-003	7.3000e-004	1.0000e-005	3.9000e-004	2.0000e-005	4.2000e-004	1.1000e-004	2.0000e-005	1.3000e-004						1.2638	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	3.1000e-004	1.7000e-004	2.7600e-003	1.0000e-005	1.3600e-003	0.0000	1.3700e-003	3.6000e-004	0.0000	3.7000e-004						0.8773	
Total	3.6000e-004	3.1400e-003	3.4900e-003	2.0000e-005	1.7500e-003	2.0000e-005	1.7900e-003	4.7000e-004	2.0000e-005	5.0000e-004						2.1411	

3.7 Architectural Coating - 2029

Unmitigated Construction On-Site

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

3.7 Architectural Coating - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	7.7000e-004	4.4000e-004	6.9100e-003	2.0000e-005	3.4100e-003	1.0000e-005	3.4200e-003	9.1000e-004	1.0000e-005	9.2000e-004						2.1933	
Total	7.7000e-004	4.4000e-004	6.9100e-003	2.0000e-005	3.4100e-003	1.0000e-005	3.4200e-003	9.1000e-004	1.0000e-005	9.2000e-004						2.1933	

Mitigated Construction On-Site

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 Architectural Coating - 2029****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	7.7000e-004	4.4000e-004	6.9100e-003	2.0000e-005	3.4100e-003	1.0000e-005	3.4200e-003	9.1000e-004	1.0000e-005	9.2000e-004						2.1933	
Total	7.7000e-004	4.4000e-004	6.9100e-003	2.0000e-005	3.4100e-003	1.0000e-005	3.4200e-003	9.1000e-004	1.0000e-005	9.2000e-004						2.1933	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Mitigated	0.0256	0.0264	0.2507	5.4000e-004	0.0240	3.4000e-004	0.0244	7.4200e-003	3.2000e-004	7.7400e-003						50.8194	
Unmitigated	0.0256	0.0264	0.2507	5.4000e-004	0.0240	3.4000e-004	0.0244	7.4200e-003	3.2000e-004	7.7400e-003						50.8194	

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
General Office Building	80.16	80.16	80.16	191,558	191,558	191,558	191,558
Total	80.16	80.16	80.16	191,558	191,558	191,558	191,558

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
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.577192	0.056815	0.182253	0.115088	0.020149	0.005398	0.008219	0.006132	0.000852	0.000335	0.024205	0.000837	0.002526

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.0 Energy Detail**

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr												MT/yr			
Electricity Mitigated							0.0000	0.0000		0.0000						494.6186
Electricity Unmitigated							0.0000	0.0000		0.0000						494.6186
NaturalGas Mitigated	0.0269	0.2448	0.2057	1.4700e-003			0.0186	0.0186		0.0186						268.1072
NaturalGas Unmitigated	0.0269	0.2448	0.2057	1.4700e-003			0.0186	0.0186		0.0186						268.1072

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	4.99446e+006	0.0269	0.2448	0.2057	1.4700e-003			0.0186	0.0186		0.0186	0.0186					268.1072
Total		0.0269	0.2448	0.2057	1.4700e-003			0.0186	0.0186		0.0186	0.0186					268.1072

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	4.99446e+006	0.0269	0.2448	0.2057	1.4700e-003			0.0186	0.0186		0.0186	0.0186					268.1072
Total		0.0269	0.2448	0.2057	1.4700e-003			0.0186	0.0186		0.0186	0.0186					268.1072

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	5.29351e +006				494.6186
Total					494.6186

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	5.29351e +006				494.6186
Total					494.6186

6.0 Area Detail**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

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

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr												MT/yr				
Mitigated	1.3651	3.0000e-005	2.8200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						5.8600e-003	
Unmitigated	1.3651	3.0000e-005	2.8200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						5.8600e-003	

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1608					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	1.2041					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	2.6000e-004	3.0000e-005	2.8200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						5.8600e-003
Total	1.3651	3.0000e-005	2.8200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005						5.8600e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1608						0.0000	0.0000		0.0000	0.0000					0.0000
Consumer Products	1.2041						0.0000	0.0000		0.0000	0.0000					0.0000
Landscaping	2.6000e-004	3.0000e-005	2.8200e-003	0.0000			1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005					5.8600e-003
Total	1.3651	3.0000e-005	2.8200e-003	0.0000			1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005					5.8600e-003

7.0 Water Detail**7.1 Mitigation Measures Water**

Use Reclaimed Water

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				0.9003
Unmitigated				1.4992

7.2 Water by Land Use**Unmitigated**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.489 / 1.793				1.4992
Total					1.4992

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**7.2 Water by Land Use****Mitigated**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.293791 / 1.0758				0.9003
Total					0.9003

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				41.7408
Unmitigated				41.7408

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	83				41.7408
Total					41.7408

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	83				41.7408
Total					41.7408

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 Not Applied

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

User Defined Equipment

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

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	0.0000			

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**11.1 Vegetation Land Change****Vegetation Type**

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Others	0 / 0				0.0000
Total					0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Microsoft SJC04/06**
Santa Clara County, Annual**1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	616.60	1000sqft	21.25	616,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2028
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 - Revised construction inputs for the non-phased construction project.

Land Use - Approx total floor area of the 2 data center bldgs

Construction Phase - 25 month construction schedule for the entire site with 2 bldgs

Off-road Equipment - Applicant estimates of equipment types, numbers, and use rates.

Off-road Equipment - Applicant estimate of equipment types, numbers, and use rates.

Off-road Equipment - No demolition is proposed.

Off-road Equipment - Applicant best estimate of equipment type, numbers, use rates.

Off-road Equipment - Applicant best estimate of equipment types, numbers, and use rates.

Off-road Equipment - Applicant best estimate of equipment types, numbers, use rates.

Trips and VMT - Grading haul trips based on 106067 yd³ of export soil at 20 yd³ per load.

Bldg haul trips based concrete required.

Paving haul trips based on asphalt required.

On-road Fugitive Dust - EPA-454/R-23-001w, March 2023, Table 23-2

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

Grading - Rough grading will occur during site prep phase.

Finish grading will occur during grading/foundation phase.

Site speed limit will be <=5 mph.

Architectural Coating - Defaults assumed

Vehicle Trips - Calculated value for all days (0.315 trips per 1000 sq.ft) based on DC floor area and employee number.

Road Dust - See previous note for silt loading value.

Consumer Products - Defaults assumed

Area Coating - Defaults assumed

Landscape Equipment - Defaults assumed

Energy Use - Defaults assumed

Water And Wastewater - Project values calculated based on employee data and landscaping data.

Solid Waste - Calculated based on 144 employees at 1.15 tpy/employee.

Construction Off-road Equipment Mitigation - Const equipment will meet current T4F stds.

Area Mitigation - Low VOC cleaning supplies and coatings will be used to comply with BAAQMD rules.

Fleet Mix - Best estimate of vehicle mix for operations (employee vehicles).

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Parking	150	0
tblAreaCoating	Area_Nonresidential_Exterior	308300	0
tblAreaCoating	Area_Nonresidential_Interior	924900	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	150
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	0	150
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	100	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

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

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	370.00	431.00
tblConstructionPhase	NumDays	20.00	0.00

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

tblConstructionPhase	NumDays	35.00	61.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	10.00	30.00
tblGrading	AcresOfGrading	51.47	10.00
tblGrading	AcresOfGrading	37.69	21.25
tblGrading	MaterialExported	0.00	106,067.00
tblGrading	MeanVehicleSpeed	7.10	5.00
tblGrading	MeanVehicleSpeed	7.10	5.00
tblLandUse	LotAcreage	14.16	21.25
tblOffRoadEquipment	HorsePower	402.00	172.00
tblOffRoadEquipment	HorsePower	402.00	172.00
tblOffRoadEquipment	HorsePower	402.00	172.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	7.50
tblOffRoadEquipment	UsageHours	7.00	3.30
tblOffRoadEquipment	UsageHours	8.00	5.30
tblOffRoadEquipment	UsageHours	8.00	3.20
tblOffRoadEquipment	UsageHours	8.00	2.20

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

tblOffRoadEquipment	UsageHours	8.00	2.70
tblOffRoadEquipment	UsageHours	8.00	7.10
tblOffRoadEquipment	UsageHours	8.00	7.10
tblOffRoadEquipment	UsageHours	8.00	7.10
tblOffRoadEquipment	UsageHours	8.00	2.70
tblOffRoadEquipment	UsageHours	8.00	6.70
tblOffRoadEquipment	UsageHours	8.00	2.70
tblOffRoadEquipment	UsageHours	7.00	3.20
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	3.70
tblOnRoadDust	RoadSiltLoading	0.10	0.02
tblOnRoadDust	RoadSiltLoading	0.10	0.02
tblOnRoadDust	RoadSiltLoading	0.10	0.02
tblOnRoadDust	RoadSiltLoading	0.10	0.02
tblOnRoadDust	RoadSiltLoading	0.10	0.02
tblOnRoadDust	RoadSiltLoading	0.10	0.02
tblOnRoadDust	RoadSiltLoading	0.10	0.02
tblRoadDust	RoadSiltLoading	0.1	0.02
tblSolidWaste	SolidWasteGenerationRate	573.44	166.00
tblTripsAndVMT	HaulingTripLength	20.00	150.00
tblTripsAndVMT	HaulingTripNumber	13,258.00	5,303.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	101.00	4.00
tblVehicleTrips	ST_TR	2.21	0.32
tblVehicleTrips	SU_TR	0.70	0.32
tblVehicleTrips	WD_TR	9.74	0.32
tblWater	IndoorWaterUseRate	109,590,629.01	978,000.00
tblWater	OutdoorWaterUseRate	67,168,450.04	3,586,000.00

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

2.0 Emissions Summary

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	6.78	43.48	-9.40	0.00	-3.58	76.77	20.08	31.61	76.07	50.00	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	1-1-2025	3-31-2025	1.8807	1.4440
2	4-1-2025	6-30-2025	1.4071	1.0920
3	7-1-2025	9-30-2025	0.3544	0.0968
4	10-1-2025	12-31-2025	0.3570	0.0995
5	1-1-2026	3-31-2026	0.3476	0.0956
6	4-1-2026	6-30-2026	0.3490	0.0942
7	7-1-2026	9-30-2026	0.3528	0.0953
8	10-1-2026	12-31-2026	2.1647	1.7626
9	1-1-2027	3-31-2027	1.8093	1.6647
		Highest	2.1647	1.7626

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Area	2.4087	5.0000e-005	5.6500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005						0.0117	
Energy	0.0539	0.4897	0.4113	2.9400e-003		0.0372	0.0372		0.0372	0.0372						1,525.4517	
Mobile	0.0669	0.0699	0.6477	1.4000e-003	0.0592	9.4000e-004	0.0601	0.0183	8.7000e-004	0.0191						130.8998	
Waste						0.0000	0.0000		0.0000	0.0000						83.4817	
Water						0.0000	0.0000		0.0000	0.0000						2.9984	
Total	2.5294	0.5596	1.0646	4.3400e-003	0.0592	0.0382	0.0973	0.0183	0.0381	0.0564						1,742.8433	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.2 Overall Operational****Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Area	2.2286	5.0000e-005	5.6500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005						0.0117	
Energy	0.0539	0.4897	0.4113	2.9400e-003		0.0372	0.0372		0.0372	0.0372						1,525.4517	
Mobile	0.0669	0.0699	0.6477	1.4000e-003	0.0592	9.4000e-004	0.0601	0.0183	8.7000e-004	0.0191						130.8998	
Waste						0.0000	0.0000		0.0000	0.0000						83.4817	
Water						0.0000	0.0000		0.0000	0.0000						2.9984	
Total	2.3493	0.5596	1.0646	4.3400e-003	0.0592	0.0382	0.0973	0.0183	0.0381	0.0564						1,742.8433	

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	7.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2025	12/31/2024	5	0	No demolition proposed
2	Site Preparation	Site Preparation	1/1/2025	2/11/2025	5	30	
3	Grading	Grading	2/12/2025	5/7/2025	5	61	

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

4	Building Construction	Building Construction	5/8/2025	12/31/2026	5	431
5	Paving	Paving	12/1/2026	1/31/2027	5	44
6	Architectural Coating	Architectural Coating	12/1/2026	1/31/2027	5	44

Acres of Grading (Site Preparation Phase): 21.25

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 924,900; Non-Residential Outdoor: 308,300; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Graders	2	6.70	187	0.41
Site Preparation	Off-Highway Trucks	1	6.70	172	0.38
Site Preparation	Rubber Tired Dozers	1	6.70	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Excavators	2	5.30	158	0.38
Grading	Graders	1	2.70	187	0.41
Grading	Off-Highway Trucks	1	8.00	172	0.38
Grading	Rubber Tired Dozers	2	2.70	247	0.40
Grading	Scrapers	1	2.70	367	0.48
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	2	3.30	231	0.29
Building Construction	Forklifts	4	3.20	89	0.20
Building Construction	Generator Sets	2	2.20	84	0.74
Building Construction	Off-Highway Trucks	1	4.10	172	0.38

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

Building Construction	Tractors/Loaders/Backhoes	3	3.20	97	0.37
Building Construction	Welders	2	3.70	46	0.45
Paving	Pavers	2	7.10	130	0.42
Paving	Paving Equipment	2	7.10	132	0.36
Paving	Rollers	2	7.10	80	0.38
Paving	Tractors/Loaders/Backhoes	1	5.90	97	0.37
Architectural Coating	Aerial Lifts	2	7.10	63	0.31
Architectural Coating	Air Compressors	4	7.50	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	6	15.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	9	23.00	1.00	5,303.00	10.80	7.30	150.00	LD_Mix	HDT_Mix	HHDT
Building Construction	14	197.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	6	39.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 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					0.0812	0.0000	0.0812	0.0421	0.0000	0.0421						0.0000	
Off-Road	0.0230	0.2295	0.1928	4.4000e-004		9.0000e-003	9.0000e-003		8.2800e-003	8.2800e-003							38.7233
Total	0.0230	0.2295	0.1928	4.4000e-004	0.0812	9.0000e-003	0.0902	0.0421	8.2800e-003	0.0504							38.7233

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	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	6.7000e-004	2.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	2.0000e-005	0.0000	2.0000e-005						0.3016	
Worker	5.0000e-004	3.2000e-004	4.3900e-003	1.0000e-005	2.4000e-004	1.0000e-005	2.5000e-004	1.8000e-004	1.0000e-005	1.9000e-004						1.2823	
Total	5.2000e-004	9.9000e-004	4.5900e-003	1.0000e-005	2.7000e-004	1.0000e-005	2.8000e-004	2.0000e-004	1.0000e-005	2.1000e-004						1.5839	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Site Preparation - 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					0.0366	0.0000	0.0366	0.0189	0.0000	0.0189						0.0000	
Off-Road	5.3600e-003	0.0232	0.2468	4.4000e-004		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004						38.7232	
Total	5.3600e-003	0.0232	0.2468	4.4000e-004	0.0366	7.1000e-004	0.0373	0.0189	7.1000e-004	0.0197						38.7232	

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	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	6.7000e-004	2.0000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	2.0000e-005	0.0000	2.0000e-005						0.3016	
Worker	5.0000e-004	3.2000e-004	4.3900e-003	1.0000e-005	6.0000e-004	1.0000e-005	6.1000e-004	1.8000e-004	1.0000e-005	1.9000e-004						1.2823	
Total	5.2000e-004	9.9000e-004	4.5900e-003	1.0000e-005	6.5000e-004	1.0000e-005	6.6000e-004	2.0000e-004	1.0000e-005	2.1000e-004						1.5839	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Grading - 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					0.1326	0.0000	0.1326	0.0693	0.0000	0.0693						0.0000	
Off-Road	0.0438	0.3951	0.4842	9.2000e-004		0.0169	0.0169		0.0155	0.0155						81.6593	
Total	0.0438	0.3951	0.4842	9.2000e-004	0.1326	0.0169	0.1495	0.0693	0.0155	0.0848						81.6593	

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0249	2.3874	0.3926	0.0112	0.0847	0.0219	0.1066	0.0451	0.0209	0.0660						1,162.546 1	
Vendor	3.0000e-005	1.3500e-003	4.1000e-004	1.0000e-005	6.0000e-005	1.0000e-005	7.0000e-005	3.0000e-005	1.0000e-005	4.0000e-005						0.6133	
Worker	1.5500e-003	9.8000e-004	0.0137	4.0000e-005	7.5000e-004	3.0000e-005	7.8000e-004	5.7000e-004	2.0000e-005	6.0000e-004						3.9978	
Total	0.0265	2.3898	0.4067	0.0112	0.0855	0.0219	0.1074	0.0457	0.0210	0.0666						1,167.157 2	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Grading - 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					0.0597	0.0000	0.0597	0.0312	0.0000	0.0312						0.0000	
Off-Road	0.0113	0.0491	0.5755	9.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003						81.6593	
Total	0.0113	0.0491	0.5755	9.2000e-004	0.0597	1.5100e-003	0.0612	0.0312	1.5100e-003	0.0327						81.6593	

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0249	2.3874	0.3926	0.0112	0.1431	0.0219	0.1650	0.0451	0.0209	0.0660						1,162.546 1	
Vendor	3.0000e-005	1.3500e-003	4.1000e-004	1.0000e-005	9.0000e-005	1.0000e-005	1.0000e-004	3.0000e-005	1.0000e-005	4.0000e-005						0.6133	
Worker	1.5500e-003	9.8000e-004	0.0137	4.0000e-005	1.8700e-003	3.0000e-005	1.8900e-003	5.7000e-004	2.0000e-005	6.0000e-004						3.9978	
Total	0.0265	2.3898	0.4067	0.0112	0.1450	0.0219	0.1669	0.0457	0.0210	0.0666						1,167.157 2	

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

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0877	0.7542	0.9714	1.6800e-003		0.0319	0.0319		0.0299	0.0299						145.2917
Total	0.0877	0.7542	0.9714	1.6800e-003		0.0319	0.0319		0.0299	0.0299						145.2917

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	3.5000e-004	0.0151	4.6100e-003	7.0000e-005	6.6000e-004	9.0000e-005	7.5000e-004	3.5000e-004	9.0000e-005	4.4000e-004						6.8369
Worker	0.0369	0.0235	0.3270	1.0300e-003	0.0180	6.0000e-004	0.0186	0.0137	5.5000e-004	0.0142						95.4295
Total	0.0373	0.0386	0.3316	1.1000e-003	0.0187	6.9000e-004	0.0194	0.0140	6.4000e-004	0.0147						102.2664

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

3.5 Building Construction - 2025

Mitigated Construction On-Site

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	3.5000e-004	0.0151	4.6100e-003	7.0000e-005	1.0300e-003	9.0000e-005	1.1200e-003	3.5000e-004	9.0000e-005	4.4000e-004						6.8369
Worker	0.0369	0.0235	0.3270	1.0300e-003	0.0446	6.0000e-004	0.0451	0.0137	5.5000e-004	0.0142						95.4295
Total	0.0373	0.0386	0.3316	1.1000e-003	0.0456	6.9000e-004	0.0463	0.0140	6.4000e-004	0.0147						102.2664

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

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1346	1.1580	1.4914	2.5800e-003		0.0489	0.0489		0.0459	0.0459						223.0655
Total	0.1346	1.1580	1.4914	2.5800e-003		0.0489	0.0489		0.0459	0.0459						223.0655

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	5.3000e-004	0.0230	6.9800e-003	1.0000e-004	1.0200e-003	1.4000e-004	1.1500e-003	5.4000e-004	1.3000e-004	6.7000e-004						10.3103	
Worker	0.0537	0.0329	0.4743	1.5400e-003	0.0277	8.7000e-004	0.0285	0.0210	8.0000e-004	0.0218						142.0424	
Total	0.0542	0.0559	0.4813	1.6400e-003	0.0287	1.0100e-003	0.0297	0.0215	9.3000e-004	0.0224						152.3528	

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

3.5 Building Construction - 2026

Mitigated Construction On-Site

Mitigated Construction Off-Site

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Paving - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Off-Road	0.0105	0.0989	0.1677	2.6000e-004			4.7300e-003	4.7300e-003		4.3500e-003	4.3500e-003						22.9402
Paving	0.0000						0.0000	0.0000		0.0000	0.0000						0.0000
Total	0.0105	0.0989	0.1677	2.6000e-004			4.7300e-003	4.7300e-003		4.3500e-003	4.3500e-003						22.9402

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	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	2.6000e-004	3.8200e-003	1.0000e-005	2.2000e-004	1.0000e-005	2.3000e-004	1.7000e-004	1.0000e-005	1.8000e-004						1.1437	
Total	4.3000e-004	2.6000e-004	3.8200e-003	1.0000e-005	2.2000e-004	1.0000e-005	2.3000e-004	1.7000e-004	1.0000e-005	1.8000e-004						1.1437	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Paving - 2026****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Off-Road	3.1800e-003	0.0138	0.1964	2.6000e-004		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004						22.9402	
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000	
Total	3.1800e-003	0.0138	0.1964	2.6000e-004		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004						22.9402	

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	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	2.6000e-004	3.8200e-003	1.0000e-005	5.5000e-004	1.0000e-005	5.6000e-004	1.7000e-004	1.0000e-005	1.8000e-004						1.1437	
Total	4.3000e-004	2.6000e-004	3.8200e-003	1.0000e-005	5.5000e-004	1.0000e-005	5.6000e-004	1.7000e-004	1.0000e-005	1.8000e-004						1.1437	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Paving - 2027****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.5500e-003	0.0903	0.1531	2.4000e-004		4.3200e-003	4.3200e-003		3.9700e-003	3.9700e-003						20.9454
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Total	9.5500e-003	0.0903	0.1531	2.4000e-004		4.3200e-003	4.3200e-003		3.9700e-003	3.9700e-003						20.9454

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Worker	3.7000e-004	2.2000e-004	3.3100e-003	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	1.5000e-004	1.0000e-005	1.6000e-004						1.0145
Total	3.7000e-004	2.2000e-004	3.3100e-003	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	1.5000e-004	1.0000e-005	1.6000e-004						1.0145

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

3.6 Paving - 2027

Mitigated Construction On-Site

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	3.7000e-004	2.2000e-004	3.3100e-003	1.0000e-005	5.0000e-004	1.0000e-005	5.1000e-004	1.5000e-004	1.0000e-005	1.6000e-004						1.0145	
Total	3.7000e-004	2.2000e-004	3.3100e-003	1.0000e-005	5.0000e-004	1.0000e-005	5.1000e-004	1.5000e-004	1.0000e-005	1.6000e-004						1.0145	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 Architectural Coating - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Archit. Coating	1.6807						0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	0.0105	0.0765	0.1263	2.1000e-004			3.1400e-003	3.1400e-003		3.1300e-003	3.1300e-003						17.7370
Total	1.6912	0.0765	0.1263	2.1000e-004			3.1400e-003	3.1400e-003		3.1300e-003	3.1300e-003						17.7370

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	9.4000e-004	5.7000e-004	8.2700e-003	3.0000e-005	4.8000e-004	2.0000e-005	5.0000e-004	3.7000e-004	1.0000e-005	3.8000e-004						2.4780	
Total	9.4000e-004	5.7000e-004	8.2700e-003	3.0000e-005	4.8000e-004	2.0000e-005	5.0000e-004	3.7000e-004	1.0000e-005	3.8000e-004						2.4780	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 Architectural Coating - 2026****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Archit. Coating	1.6807						0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	2.5500e-003	0.0267	0.1314	2.1000e-004			2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004						17.7369
Total	1.6832	0.0267	0.1314	2.1000e-004			2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004						17.7369

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	9.4000e-004	5.7000e-004	8.2700e-003	3.0000e-005	1.1900e-003	2.0000e-005	1.2100e-003	3.7000e-004	1.0000e-005	3.8000e-004						2.4780	
Total	9.4000e-004	5.7000e-004	8.2700e-003	3.0000e-005	1.1900e-003	2.0000e-005	1.2100e-003	3.7000e-004	1.0000e-005	3.8000e-004						2.4780	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 Architectural Coating - 2027****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Archit. Coating	1.5345						0.0000	0.0000		0.0000	0.0000						0.0000
Off-Road	9.6000e-003	0.0698	0.1153	1.9000e-004			2.8700e-003	2.8700e-003		2.8600e-003	2.8600e-003						16.1946
Total	1.5441	0.0698	0.1153	1.9000e-004			2.8700e-003	2.8700e-003		2.8600e-003	2.8600e-003						16.1946

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	8.1000e-004	4.8000e-004	7.1700e-003	2.0000e-005	4.4000e-004	1.0000e-005	4.5000e-004	3.3000e-004	1.0000e-005	3.5000e-004						2.1981	
Total	8.1000e-004	4.8000e-004	7.1700e-003	2.0000e-005	4.4000e-004	1.0000e-005	4.5000e-004	3.3000e-004	1.0000e-005	3.5000e-004						2.1981	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 Architectural Coating - 2027****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Archit. Coating	1.5345					0.0000	0.0000		0.0000	0.0000						0.0000	
Off-Road	2.3300e-003	0.0244	0.1200	1.9000e-004		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004						16.1946	
Total	1.5369	0.0244	0.1200	1.9000e-004		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004						16.1946	

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000	
Worker	8.1000e-004	4.8000e-004	7.1700e-003	2.0000e-005	1.0900e-003	1.0000e-005	1.1000e-003	3.3000e-004	1.0000e-005	3.5000e-004						2.1981	
Total	8.1000e-004	4.8000e-004	7.1700e-003	2.0000e-005	1.0900e-003	1.0000e-005	1.1000e-003	3.3000e-004	1.0000e-005	3.5000e-004						2.1981	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Mitigated	0.0669	0.0699	0.6477	1.4000e-003	0.0592	9.4000e-004	0.0601	0.0183	8.7000e-004	0.0191							130.8998
Unmitigated	0.0669	0.0699	0.6477	1.4000e-003	0.0592	9.4000e-004	0.0601	0.0183	8.7000e-004	0.0191							130.8998

4.2 Trip Summary Information

		Average Daily Trip Rate			Unmitigated		Mitigated	
Land Use		Weekday	Saturday	Sunday	Annual VMT		Annual VMT	
General Office Building		197.31	197.31	197.31	471,527		471,527	
Total		197.31	197.31	197.31	471,527		471,527	

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
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.576295	0.056490	0.183529	0.114985	0.020137	0.005304	0.008188	0.006136	0.000868	0.000349	0.024273	0.000862	0.002585

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.0 Energy Detail**

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Electricity Mitigated							0.0000	0.0000	0.0000	0.0000						989.2372	
Electricity Unmitigated							0.0000	0.0000	0.0000	0.0000						989.2372	
NaturalGas Mitigated	0.0539	0.4897	0.4113	2.9400e-003			0.0372	0.0372	0.0372	0.0372						536.2144	
NaturalGas Unmitigated	0.0539	0.4897	0.4113	2.9400e-003			0.0372	0.0372	0.0372	0.0372						536.2144	

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	9.9892e+006	0.0539	0.4897	0.4113	2.9400e-003		0.0372	0.0372		0.0372	0.0372						536.2144
Total		0.0539	0.4897	0.4113	2.9400e-003		0.0372	0.0372		0.0372	0.0372						536.2144

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	9.98892e+006	0.0539	0.4897	0.4113	2.9400e-003		0.0372	0.0372		0.0372	0.0372						536.2144
Total		0.0539	0.4897	0.4113	2.9400e-003		0.0372	0.0372		0.0372	0.0372						536.2144

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	1.0587e +007				989.2372
Total					989.2372

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	1.0587e +007				989.2372
Total					989.2372

6.0 Area Detail**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

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

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.2286	5.0000e-005	5.6500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005						0.0117	
Unmitigated	2.4087	5.0000e-005	5.6500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005						0.0117	

6.2 Area by SubCategoryUnmitigated

	ROG	NOx	CO	SO2	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	
Consumer Products	2.4081					0.0000	0.0000		0.0000	0.0000						0.0000	
Landscaping	5.2000e-004	5.0000e-005	5.6500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005						0.0117	
Total	2.4087	5.0000e-005	5.6500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005						0.0117	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000						0.0000	0.0000		0.0000	0.0000					0.0000
Consumer Products	2.2281						0.0000	0.0000		0.0000	0.0000					0.0000
Landscaping	5.2000e-004	5.0000e-005	5.6500e-003	0.0000			2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005					0.0117
Total	2.2286	5.0000e-005	5.6500e-003	0.0000			2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005					0.0117

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 Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				2.9984
Unmitigated				2.9984

7.2 Water by Land Use**Unmitigated**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.978 / 3.586				2.9984
Total					2.9984

Microsoft SJC04/06 - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**7.2 Water by Land Use****Mitigated**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.978 / 3.586				2.9984
Total					2.9984

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				83.4817
Unmitigated				83.4817

Microsoft SJC04/06 - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	166				83.4817
Total					83.4817

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	166				83.4817
Total					83.4817

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Microsoft SJC04/06 - Santa Clara County, Annual

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

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

MSDC Reclaim Water Line - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**MSDC Reclaim Water Line**

Santa Clara County, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	15.84	1000sqft	2.73	15,840.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			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 - Analysis is for the offsite reclaim water line construction only. No operational emissions are calculated.

Land Use - Trench assumed sfc area =~15840 sq.ft. Corridor assumed sfc area is 2.73 acres.

Construction Phase - Best estimate of water line construction time.

Off-road Equipment - Best estimate of equipment and use rates.

Trips and VMT - Pipe deliveries ~1 every 2 days = 45 total or 0.5 deliveries per day

2000 yd^3 of cut hauled away for disposal, at 20 yd^3 per load = 100 loads

Worker trips calculated by CalEEMod.

On-road Fugitive Dust - Defaults used.

Demolition - No demolition will occur.

Grading - Trench cut material will be placed back into the trench subsequent to line installation.

Approx 2000 cy.yds. of cut material will be hauled away for disposal.

Architectural Coating - No coatings required.

Vehicle Trips - No operational vehicle trips are required.

MSDC Reclaim Water Line - Santa Clara County, Annual

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

Road Dust - No unpaved roads will service the pipeline subsequent to installation.

Consumer Products - No consumer products required for pipeline operations.

Area Coating - No arch coatings required for pipeline operations.

Landscape Equipment - No landscaping req'd for pipeline operations.

Energy Use - Reclaim water pumping energy is included in the SJC04 analysis.

Water And Wastewater - Categories N/A to the RWL.

Solid Waste - No solid waste generation or water pipeline.

Construction Off-road Equipment Mitigation - Std trench mitigation (watering).

Fleet Mix - No operational vehicle trips are required.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	7920	0
tblAreaCoating	Area_Nonresidential_Interior	23760	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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	3.08	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24NG	6.67	0.00

MSDC Reclaim Water Line - Santa Clara County, Annual

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

tblEnergyUse	T24E	1.32	0.00
tblEnergyUse	T24NG	19.51	0.00
tblLandscapeEquipment	NumberSummerDays	180	0
tblLandUse	LotAcreage	0.36	2.73
tblOffRoadEquipment	HorsePower	158.00	187.00
tblOffRoadEquipment	HorsePower	89.00	247.00
tblOffRoadEquipment	LoadFactor	0.38	0.41
tblOffRoadEquipment	LoadFactor	0.20	0.40
tblRoadDust	MaterialMoistureContent	0.5	0
tblRoadDust	MaterialSiltContent	4.3	0
tblRoadDust	MeanVehicleSpeed	40	0
tblSolidWaste	LandfillCaptureGasFlare	94.00	0.00
tblSolidWaste	LandfillNoGasCapture	6.00	0.00
tblSolidWaste	SolidWasteGenerationRate	19.64	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	100.00
tblTripsAndVMT	VendorTripNumber	0.00	0.50
tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	WD_TR	3.93	0.00
tblWater	AerobicPercent	87.46	0.00

MSDC Reclaim Water Line - Santa Clara County, Annual

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

tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	100.00
tblWater	ElectricityIntensityFactorForWastewaterTreatment	1,911.00	0.00
tblWater	ElectricityIntensityFactorToDistribute	1,272.00	0.00
tblWater	ElectricityIntensityFactorToSupply	2,117.00	0.00
tblWater	ElectricityIntensityFactorToTreat	111.00	0.00
tblWater	IndoorWaterUseRate	3,663,000.00	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

MSDC Reclaim Water Line - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr												MT/yr			
2025	0.0241	0.2032	0.2606	6.8000e-004	5.6400e-003	8.1500e-003	0.0138	1.5100e-003	7.5000e-003	9.0100e-003						60.9574
Maximum	0.0241	0.2032	0.2606	6.8000e-004	5.6400e-003	8.1500e-003	0.0138	1.5100e-003	7.5000e-003	9.0100e-003						60.9574

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr												MT/yr			
2025	8.9200e-003	0.0411	0.3599	6.8000e-004	5.6400e-003	1.0800e-003	6.7200e-003	1.5100e-003	1.0800e-003	2.5900e-003						60.9573
Maximum	8.9200e-003	0.0411	0.3599	6.8000e-004	5.6400e-003	1.0800e-003	6.7200e-003	1.5100e-003	1.0800e-003	2.5900e-003						60.9573

	ROG	NOx	CO	SO2	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	62.96	79.77	-38.11	0.00	0.00	86.75	51.27	0.00	85.60	71.25	0.00	0.00	0.00	0.00	0.00	0.00

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-1-2025	5-31-2025	0.1659	0.0365
2	6-1-2025	8-31-2025	0.0612	0.0134
		Highest	0.1659	0.0365

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	0.0000	0.0000	0.0000	0.0000	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	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	0.0000	
Water						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								

MSDC Reclaim Water Line - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.2 Overall Operational****Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr											MT/yr					
Area	0.0000	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	
Mobile	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	
Water						0.0000	0.0000		0.0000	0.0000						0.0000	
Total	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	Trenching, pipe install, finishing	Trenching	3/1/2025	7/4/2025	5	90	Water line construction

Acres of Grading (Site Preparation Phase): 0

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Trenching, pipe install, finishing	Excavators	1	6.20	187	0.41
Trenching, pipe install, finishing	Forklifts	1	3.10	247	0.40
Trenching, pipe install, finishing	Other Construction Equipment	1	2.80	172	0.42
Trenching, pipe install, finishing	Rollers	1	1.80	80	0.38
Trenching, pipe install, finishing	Tractors/Loaders/Backhoes	1	6.20	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
Trenching, pipe install, finishing	5	13.00	0.50	100.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

MSDC Reclaim Water Line - Santa Clara County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 Trenching, pipe install, finishing - 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	0.0227	0.1946	0.2473	6.1000e-004		8.0700e-003	8.0700e-003		7.4200e-003	7.4200e-003						54.1419
Total	0.0227	0.1946	0.2473	6.1000e-004		8.0700e-003	8.0700e-003		7.4200e-003	7.4200e-003						54.1419

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr												MT/yr			
Hauling	1.0000e-004	6.7600e-003	1.6000e-003	3.0000e-005	8.5000e-004	6.0000e-005	9.0000e-004	2.3000e-004	5.0000e-005	2.9000e-004						3.0291
Vendor	2.0000e-005	1.0000e-003	3.0000e-004	0.0000	1.5000e-004	1.0000e-005	1.5000e-004	4.0000e-005	1.0000e-005	5.0000e-005						0.4524
Worker	1.2900e-003	8.2000e-004	0.0114	4.0000e-005	4.6400e-003	2.0000e-005	4.6600e-003	1.2300e-003	2.0000e-005	1.2500e-003						3.3339
Total	1.4100e-003	8.5800e-003	0.0133	7.0000e-005	5.6400e-003	9.0000e-005	5.7100e-003	1.5000e-003	8.0000e-005	1.5900e-003						6.8155

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 Trenching, pipe install, finishing - 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	7.5100e-003	0.0325	0.3466	6.1000e-004		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003						54.1418
Total	7.5100e-003	0.0325	0.3466	6.1000e-004		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003						54.1418

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr												MT/yr			
Hauling	1.0000e-004	6.7600e-003	1.6000e-003	3.0000e-005	8.5000e-004	6.0000e-005	9.0000e-004	2.3000e-004	5.0000e-005	2.9000e-004						3.0291
Vendor	2.0000e-005	1.0000e-003	3.0000e-004	0.0000	1.5000e-004	1.0000e-005	1.5000e-004	4.0000e-005	1.0000e-005	5.0000e-005						0.4524
Worker	1.2900e-003	8.2000e-004	0.0114	4.0000e-005	4.6400e-003	2.0000e-005	4.6600e-003	1.2300e-003	2.0000e-005	1.2500e-003						3.3339
Total	1.4100e-003	8.5800e-003	0.0133	7.0000e-005	5.6400e-003	9.0000e-005	5.7100e-003	1.5000e-003	8.0000e-005	1.5900e-003						6.8155

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated			Mitigated		
	Weekday		Saturday	Sunday	Annual VMT		Annual VMT		
	General Heavy Industry	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
General Heavy Industry	0.00	0.00	0.00	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
General Heavy Industry	0.574685	0.056097	0.185093	0.115164	0.020188	0.005209	0.008091	0.006312	0.000884	0.000364	0.024358	0.000887	0.002668

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.0 Energy Detail**

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Heavy Industry	0	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

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Heavy Industry	0	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

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Heavy Industry	0				0.0000
Total					0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Heavy Industry	0				0.0000
Total					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 Not Applied

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

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	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
Total	0.0000	0.0000	0.0000	0.0000		0.0000	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 Not Applied**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000						0.0000
Landscaping	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

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 Not Applied

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

7.2 Water by Land Use**Unmitigated**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	0 / 0				0.0000
Total					0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**7.2 Water by Land Use****Mitigated**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	0 / 0				0.0000
Total					0.0000

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

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

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	0				0.0000
Total					0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	0				0.0000
Total					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 Not Applied

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
