

Appendix B

Air Quality Monitoring Results

3001 El Camino Real Affordable Housing Project - Santa Clara County, Winter

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

3001 El Camino Real Affordable Housing Project

Santa Clara County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	106.00	Space	0.95	42,400.00	0
City Park	0.30	Acre	0.30	12,917.00	0
Apartments High Rise	129.00	Dwelling Unit	0.84	136,945.00	324

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	City of Palo Alto Utilities Department				
CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - City Park used as a proxy for common open space; residential square footage includes community room, bike storage, & other amenities in the building; population modified per DOF E-5 Persons per Household for Palo Alto

Construction Phase - Modified per client's construction schedule

Demolition -

Grading -

Architectural Coating - Modified per BAAQMD Regulation 8, Rule 6

Vehicle Trips - Modified per W-Trans trip gen

Woodstoves - No fireplaces or woodstoves per BAAQMD Regulation 6 Rule 3

Area Coating - Modified per BAAQMD Regulation 8, Rule 3

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Energy Use - Convert default natural gas usage to electricity usage and add to existing electricity usage to account for an all electric building.

Water And Wastewater - The Regional Water Quality Control Plant is 100% aerobic, no septic tank or facultative lagoons on site or on wastewater treatment plant.

Construction Off-road Equipment Mitigation - Pursuant to Palo Alto Comprehensive Plan Policy N-5.5 and Comprehensive Plan EIR mitigation measure Air-2a, comply w/BAAQMD Basic Construction Mitigation Measures.

Mobile Land Use Mitigation -

Area Mitigation - BAAQMD Regulation 8, Rule 3

Water Mitigation - Pursuant to CalGreen 20% reduction in indoor water use

Waste Mitigation - AB 341 compliance

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	100
tblAreaCoating	Area_EF_Residential_Exterior	150	100
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	220.00	400.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	6.00	40.00
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	NumDays	3.00	100.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	NT24E	3,054.10	3,055.02
tblEnergyUse	NT24NG	3,155.00	0.00

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

tblEnergyUse	T24E	70.89	72.42
tblEnergyUse	T24NG	5,226.68	0.00
tblFireplaces	FireplaceDayYear	11.14	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberGas	19.35	0.00
tblFireplaces	NumberNoFireplace	5.16	0.00
tblFireplaces	NumberWood	21.93	0.00
tblGrading	MaterialExported	0.00	700.00
tblGrading	MaterialImported	0.00	1,800.00
tblLandUse	LandUseSquareFeet	13,068.00	12,917.00
tblLandUse	LandUseSquareFeet	129,000.00	136,945.00
tblLandUse	LotAcreage	2.08	0.84
tblLandUse	Population	369.00	324.00
tblTripsAndVMT	HaulingTripNumber	313.00	312.00
tblVehicleTrips	ST_TR	4.53	4.81
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	SU_TR	3.59	4.81
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	WD_TR	4.45	4.81
tblVehicleTrips	WD_TR	0.78	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

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tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	2.58	0.00
tblWoodstoves	NumberNoncatalytic	2.58	0.00
tblWoodstoves	WoodstoveDayYear	14.12	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

3001 El Camino Real Affordable Housing Project - Santa Clara County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.4749	14.0474	13.7993	0.0269	1.7139	0.6327	2.2148	0.2046	0.5910	0.6655	0.0000	2,628.496 5	2,628.496 5	0.7761	0.0336	2,657.919 1
2025	45.3064	14.4237	18.9425	0.0410	7.1647	0.5326	7.6612	3.4465	0.5117	3.9032	0.0000	3,942.951 0	3,942.951 0	0.7756	0.0955	3,983.121 7
2026	1.7783	13.2206	16.5402	0.0364	1.1087	0.4800	1.5887	0.2976	0.4593	0.7569	0.0000	3,490.323 3	3,490.323 3	0.5443	0.0890	3,528.046 3
Maximum	45.3064	14.4237	18.9425	0.0410	7.1647	0.6327	7.6612	3.4465	0.5910	3.9032	0.0000	3,942.951 0	3,942.951 0	0.7761	0.0955	3,983.121 7

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.4749	14.0474	13.7993	0.0269	0.8374	0.6327	1.3383	0.1099	0.5910	0.6388	0.0000	2,628.496 5	2,628.496 5	0.7761	0.0336	2,657.919 1
2025	45.3064	14.4237	18.9425	0.0410	3.2693	0.5326	3.7657	1.5629	0.5117	2.0196	0.0000	3,942.951 0	3,942.951 0	0.7756	0.0955	3,983.121 7
2026	1.7783	13.2206	16.5402	0.0364	1.1087	0.4800	1.5887	0.2976	0.4593	0.7569	0.0000	3,490.323 3	3,490.323 3	0.5443	0.0890	3,528.046 3
Maximum	45.3064	14.4237	18.9425	0.0410	3.2693	0.6327	3.7657	1.5629	0.5910	2.0196	0.0000	3,942.951 0	3,942.951 0	0.7761	0.0955	3,983.121 7

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.7409	0.1226	10.6434	5.6000e-004		0.0590	0.0590		0.0590	0.0590	0.0000	19.1865	19.1865	0.0184	0.0000	19.6468
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	1.2214	1.3687	12.3972	0.0245	3.0131	0.0174	3.0305	0.8020	0.0162	0.8183		2,571.5335	2,571.5335	0.1676	0.1216	2,611.9587
Total	4.9623	1.4913	23.0406	0.0251	3.0131	0.0765	3.0895	0.8020	0.0753	0.8773	0.0000	2,590.7201	2,590.7201	0.1860	0.1216	2,631.6055

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.7409	0.1226	10.6434	5.6000e-004		0.0590	0.0590		0.0590	0.0590	0.0000	19.1865	19.1865	0.0184	0.0000	19.6468
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	1.0558	1.0665	9.7880	0.0174	2.1091	0.0129	2.1220	0.5614	0.0120	0.5734		1,825.4541	1,825.4541	0.1393	0.0955	1,857.3924
Total	4.7967	1.1891	20.4314	0.0180	2.1091	0.0719	2.1811	0.5614	0.0710	0.6324	0.0000	1,844.6406	1,844.6406	0.1577	0.0955	1,877.0392

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	3.34	20.26	11.32	28.37	30.00	5.96	29.41	30.00	5.65	27.91	0.00	28.80	28.80	15.19	21.47	28.67

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	9/2/2024	10/11/2024	6	35	
2	Site Preparation	Site Preparation	10/12/2024	2/5/2025	6	100	
3	Grading	Grading	2/6/2025	3/24/2025	6	40	
4	Building Construction	Building Construction	3/25/2025	7/3/2026	6	400	
5	Architectural Coating	Architectural Coating	7/29/2025	9/12/2025	6	40	
6	Paving	Paving	7/4/2026	7/28/2026	6	21	

Acres of Grading (Site Preparation Phase): 150

Acres of Grading (Grading Phase): 40

Acres of Paving: 0.95

Residential Indoor: 277,314; Residential Outdoor: 92,438; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 2,544 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45

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Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	8	116.00	23.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	5	13.00	0.00	35.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	312.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3001 El Camino Real Affordable Housing Project - Santa Clara County, Winter

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

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2159	0.0000	0.2159	0.0327	0.0000	0.0327			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895		2,324.9459	2,324.9459	0.5884		2,339.6562
Total	1.4397	13.8867	13.4879	0.0241	0.2159	0.6311	0.8470	0.0327	0.5895	0.6222		2,324.9459	2,324.9459	0.5884		2,339.6562

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.0100e-003	0.1386	0.0320	6.0000e-004	0.0175	1.1100e-003	0.0186	4.8000e-003	1.0600e-003	5.8600e-003		65.0026	65.0026	2.2300e-003	0.0103	68.1296
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0332	0.0221	0.2793	8.2000e-004	0.1068	4.9000e-004	0.1073	0.0283	4.5000e-004	0.0288		84.5602	84.5602	2.4100e-003	2.3800e-003	85.3305
Total	0.0352	0.1607	0.3114	1.4200e-003	0.1243	1.6000e-003	0.1259	0.0331	1.5100e-003	0.0346		149.5628	149.5628	4.6400e-003	0.0127	153.4602

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3.2 Demolition - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0972	0.0000	0.0972	0.0147	0.0000	0.0147			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562
Total	1.4397	13.8867	13.4879	0.0241	0.0972	0.6311	0.7283	0.0147	0.5895	0.6042	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.0100e-003	0.1386	0.0320	6.0000e-004	0.0175	1.1100e-003	0.0186	4.8000e-003	1.0600e-003	5.8600e-003		65.0026	65.0026	2.2300e-003	0.0103	68.1296
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0332	0.0221	0.2793	8.2000e-004	0.1068	4.9000e-004	0.1073	0.0283	4.5000e-004	0.0288		84.5602	84.5602	2.4100e-003	2.3800e-003	85.3305
Total	0.0352	0.1607	0.3114	1.4200e-003	0.1243	1.6000e-003	0.1259	0.0331	1.5100e-003	0.0346		149.5628	149.5628	4.6400e-003	0.0127	153.4602

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

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5936	0.0000	1.5936	0.1722	0.0000	0.1722			0.0000			0.0000
Off-Road	1.2406	13.1186	9.5796	0.0245		0.4971	0.4971		0.4573	0.4573		2,373.6514	2,373.6514	0.7677		2,392.8435
Total	1.2406	13.1186	9.5796	0.0245	1.5936	0.4971	2.0907	0.1722	0.4573	0.6295		2,373.6514	2,373.6514	0.7677		2,392.8435

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.2700e-003	0.4326	0.0999	1.8600e-003	0.0546	3.4700e-003	0.0581	0.0150	3.3200e-003	0.0183		202.8081	202.8081	6.9500e-003	0.0322	212.5644
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0204	0.0136	0.1719	5.0000e-004	0.0657	3.0000e-004	0.0660	0.0174	2.8000e-004	0.0177		52.0370	52.0370	1.4800e-003	1.4700e-003	52.5111
Total	0.0267	0.4462	0.2718	2.3600e-003	0.1203	3.7700e-003	0.1241	0.0324	3.6000e-003	0.0360		254.8451	254.8451	8.4300e-003	0.0336	265.0755

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3.3 Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7171	0.0000	0.7171	0.0775	0.0000	0.0775			0.0000			0.0000
Off-Road	1.2406	13.1186	9.5796	0.0245		0.4971	0.4971		0.4573	0.4573	0.0000	2,373.651 4	2,373.651 4	0.7677		2,392.843 5
Total	1.2406	13.1186	9.5796	0.0245	0.7171	0.4971	1.2142	0.0775	0.4573	0.5348	0.0000	2,373.651 4	2,373.651 4	0.7677		2,392.843 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.2700e-003	0.4326	0.0999	1.8600e-003	0.0546	3.4700e-003	0.0581	0.0150	3.3200e-003	0.0183		202.8081	202.8081	6.9500e-003	0.0322	212.5644
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0204	0.0136	0.1719	5.0000e-004	0.0657	3.0000e-004	0.0660	0.0174	2.8000e-004	0.0177		52.0370	52.0370	1.4800e-003	1.4700e-003	52.5111
Total	0.0267	0.4462	0.2718	2.3600e-003	0.1203	3.7700e-003	0.1241	0.0324	3.6000e-003	0.0360		254.8451	254.8451	8.4300e-003	0.0336	265.0755

3001 El Camino Real Affordable Housing Project - Santa Clara County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Fugitive Dust					1.5936	0.0000	1.5936	0.1722	0.0000	0.1722			0.0000			0.0000
Off-Road	1.0985	10.9957	8.9257	0.0245		0.4094	0.4094		0.3766	0.3766		2,372.6856	2,372.6856	0.7674		2,391.8700
Total	1.0985	10.9957	8.9257	0.0245	1.5936	0.4094	2.0029	0.1722	0.3766	0.5488		2,372.6856	2,372.6856	0.7674		2,391.8700

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.2300e-003	0.4300	0.1004	1.8200e-003	0.0546	3.4700e-003	0.0581	0.0150	3.3200e-003	0.0183		198.9031	198.9031	6.8900e-003	0.0315	208.4742
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0193	0.0123	0.1616	4.9000e-004	0.0657	2.9000e-004	0.0660	0.0174	2.6000e-004	0.0177		50.8159	50.8159	1.3500e-003	1.3800e-003	51.2596
Total	0.0255	0.4422	0.2620	2.3100e-003	0.1203	3.7600e-003	0.1241	0.0324	3.5800e-003	0.0360		249.7190	249.7190	8.2400e-003	0.0329	259.7338

3001 El Camino Real Affordable Housing Project - Santa Clara County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Fugitive Dust					0.7171	0.0000	0.7171	0.0775	0.0000	0.0775			0.0000			0.0000
Off-Road	1.0985	10.9957	8.9257	0.0245		0.4094	0.4094		0.3766	0.3766	0.0000	2,372.6856	2,372.6856	0.7674		2,391.8700
Total	1.0985	10.9957	8.9257	0.0245	0.7171	0.4094	1.1265	0.0775	0.3766	0.4541	0.0000	2,372.6856	2,372.6856	0.7674		2,391.8700

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.2300e-003	0.4300	0.1004	1.8200e-003	0.0546	3.4700e-003	0.0581	0.0150	3.3200e-003	0.0183		198.9031	198.9031	6.8900e-003	0.0315	208.4742
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0193	0.0123	0.1616	4.9000e-004	0.0657	2.9000e-004	0.0660	0.0174	2.6000e-004	0.0177		50.8159	50.8159	1.3500e-003	1.3800e-003	51.2596
Total	0.0255	0.4422	0.2620	2.3100e-003	0.1203	3.7600e-003	0.1241	0.0324	3.5800e-003	0.0360		249.7190	249.7190	8.2400e-003	0.0329	259.7338

3001 El Camino Real Affordable Housing Project - Santa Clara County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.1904	12.4243	8.4937	0.0206		0.4961	0.4961		0.4564	0.4564		1,995.7975	1,995.7975	0.6455		2,011.9345
Total	1.1904	12.4243	8.4937	0.0206	7.0826	0.4961	7.5787	3.4247	0.4564	3.8811		1,995.7975	1,995.7975	0.6455		2,011.9345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0241	0.0153	0.2020	6.1000e-004	0.0822	3.6000e-004	0.0825	0.0218	3.3000e-004	0.0221		63.5199	63.5199	1.6900e-003	1.7200e-003	64.0745
Total	0.0241	0.0153	0.2020	6.1000e-004	0.0822	3.6000e-004	0.0825	0.0218	3.3000e-004	0.0221		63.5199	63.5199	1.6900e-003	1.7200e-003	64.0745

3001 El Camino Real Affordable Housing Project - Santa Clara County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Fugitive Dust					3.1872	0.0000	3.1872	1.5411	0.0000	1.5411			0.0000			0.0000
Off-Road	1.1904	12.4243	8.4937	0.0206		0.4961	0.4961		0.4564	0.4564	0.0000	1,995.7975	1,995.7975	0.6455		2,011.9345
Total	1.1904	12.4243	8.4937	0.0206	3.1872	0.4961	3.6832	1.5411	0.4564	1.9975	0.0000	1,995.7975	1,995.7975	0.6455		2,011.9345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0241	0.0153	0.2020	6.1000e-004	0.0822	3.6000e-004	0.0825	0.0218	3.3000e-004	0.0221		63.5199	63.5199	1.6900e-003	1.7200e-003	64.0745
Total	0.0241	0.0153	0.2020	6.1000e-004	0.0822	3.6000e-004	0.0825	0.0218	3.3000e-004	0.0221		63.5199	63.5199	1.6900e-003	1.7200e-003	64.0745

3001 El Camino Real Affordable Housing Project - Santa Clara County, Winter

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

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498		2,289.8898	2,289.8898	0.4200		2,300.3887
Total	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498		2,289.8898	2,289.8898	0.4200		2,300.3887

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0237	1.0418	0.3178	4.5500e-003	0.1558	6.0900e-003	0.1619	0.0449	5.8200e-003	0.0507		488.6867	488.6867	0.0103	0.0716	510.2659
Worker	0.2795	0.1778	2.3437	7.0700e-003	0.9529	4.1700e-003	0.9571	0.2528	3.8400e-003	0.2566		736.8307	736.8307	0.0196	0.0200	743.2639
Total	0.3032	1.2196	2.6615	0.0116	1.1087	0.0103	1.1190	0.2976	9.6600e-003	0.3073		1,225.5174	1,225.5174	0.0299	0.0915	1,253.5298

3001 El Camino Real Affordable Housing Project - Santa Clara County, Winter

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

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498	0.0000	2,289.8898	2,289.8898	0.4200		2,300.3887
Total	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498	0.0000	2,289.8898	2,289.8898	0.4200		2,300.3887

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0237	1.0418	0.3178	4.5500e-003	0.1558	6.0900e-003	0.1619	0.0449	5.8200e-003	0.0507		488.6867	488.6867	0.0103	0.0716	510.2659
Worker	0.2795	0.1778	2.3437	7.0700e-003	0.9529	4.1700e-003	0.9571	0.2528	3.8400e-003	0.2566		736.8307	736.8307	0.0196	0.0200	743.2639
Total	0.3032	1.2196	2.6615	0.0116	1.1087	0.0103	1.1190	0.2976	9.6600e-003	0.3073		1,225.5174	1,225.5174	0.0299	0.0915	1,253.5298

3001 El Camino Real Affordable Housing Project - Santa Clara County, Winter

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

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498		2,289.8898	2,289.8898	0.4200		2,300.3887
Total	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498		2,289.8898	2,289.8898	0.4200		2,300.3887

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0232	1.0352	0.3137	4.4700e-003	0.1558	6.0600e-003	0.1619	0.0449	5.8000e-003	0.0507		480.0587	480.0587	0.0102	0.0701	501.2129
Worker	0.2654	0.1621	2.2193	6.8600e-003	0.9529	3.9800e-003	0.9569	0.2528	3.6600e-003	0.2564		720.3748	720.3748	0.0179	0.0189	726.4447
Total	0.2886	1.1973	2.5330	0.0113	1.1087	0.0100	1.1188	0.2976	9.4600e-003	0.3071		1,200.4335	1,200.4335	0.0281	0.0890	1,227.6576

3001 El Camino Real Affordable Housing Project - Santa Clara County, Winter

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

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498	0.0000	2,289.8898	2,289.8898	0.4200		2,300.3887
Total	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498	0.0000	2,289.8898	2,289.8898	0.4200		2,300.3887

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0232	1.0352	0.3137	4.4700e-003	0.1558	6.0600e-003	0.1619	0.0449	5.8000e-003	0.0507		480.0587	480.0587	0.0102	0.0701	501.2129
Worker	0.2654	0.1621	2.2193	6.8600e-003	0.9529	3.9800e-003	0.9569	0.2528	3.6600e-003	0.2564		720.3748	720.3748	0.0179	0.0189	726.4447
Total	0.2886	1.1973	2.5330	0.0113	1.1087	0.0100	1.1188	0.2976	9.4600e-003	0.3071		1,200.4335	1,200.4335	0.0281	0.0890	1,227.6576

3001 El Camino Real Affordable Housing Project - Santa Clara County, Winter

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

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.2872					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	43.4581	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0554	0.0353	0.4647	1.4000e-003	0.1889	8.3000e-004	0.1898	0.0501	7.6000e-004	0.0509		146.0957	146.0957	3.8800e-003	3.9500e-003	147.3713
Total	0.0554	0.0353	0.4647	1.4000e-003	0.1889	8.3000e-004	0.1898	0.0501	7.6000e-004	0.0509		146.0957	146.0957	3.8800e-003	3.9500e-003	147.3713

3001 El Camino Real Affordable Housing Project - Santa Clara County, Winter

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

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.2872					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	43.4581	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0554	0.0353	0.4647	1.4000e-003	0.1889	8.3000e-004	0.1898	0.0501	7.6000e-004	0.0509		146.0957	146.0957	3.8800e-003	3.9500e-003	147.3713
Total	0.0554	0.0353	0.4647	1.4000e-003	0.1889	8.3000e-004	0.1898	0.0501	7.6000e-004	0.0509		146.0957	146.0957	3.8800e-003	3.9500e-003	147.3713

3001 El Camino Real Affordable Housing Project - Santa Clara County, Winter

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

3.7 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7854	7.4371	11.6737	0.0179		0.3503	0.3503		0.3234	0.3234		1,710.0067	1,710.0067	0.5420		1,723.5556
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7854	7.4371	11.6737	0.0179		0.3503	0.3503		0.3234	0.3234		1,710.0067	1,710.0067	0.5420		1,723.5556

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0343	0.0210	0.2870	8.9000e-004	0.1232	5.1000e-004	0.1237	0.0327	4.7000e-004	0.0332		93.1519	93.1519	2.3200e-003	2.4400e-003	93.9368
Total	0.0343	0.0210	0.2870	8.9000e-004	0.1232	5.1000e-004	0.1237	0.0327	4.7000e-004	0.0332		93.1519	93.1519	2.3200e-003	2.4400e-003	93.9368

3001 El Camino Real Affordable Housing Project - Santa Clara County, Winter

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

3.7 Paving - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7854	7.4371	11.6737	0.0179		0.3503	0.3503		0.3234	0.3234	0.0000	1,710.0067	1,710.0067	0.5420		1,723.5556
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7854	7.4371	11.6737	0.0179		0.3503	0.3503		0.3234	0.3234	0.0000	1,710.0067	1,710.0067	0.5420		1,723.5556

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0343	0.0210	0.2870	8.9000e-004	0.1232	5.1000e-004	0.1237	0.0327	4.7000e-004	0.0332		93.1519	93.1519	2.3200e-003	2.4400e-003	93.9368
Total	0.0343	0.0210	0.2870	8.9000e-004	0.1232	5.1000e-004	0.1237	0.0327	4.7000e-004	0.0332		93.1519	93.1519	2.3200e-003	2.4400e-003	93.9368

3001 El Camino Real Affordable Housing Project - Santa Clara County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0558	1.0665	9.7880	0.0174	2.1091	0.0129	2.1220	0.5614	0.0120	0.5734		1,825.454 1	1,825.454 1	0.1393	0.0955	1,857.392 4
Unmitigated	1.2214	1.3687	12.3972	0.0245	3.0131	0.0174	3.0305	0.8020	0.0162	0.8183		2,571.533 5	2,571.533 5	0.1676	0.1216	2,611.958 7

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	620.49	620.49	620.49	1,433,088	1,003,162
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Total	620.49	620.49	620.49	1,433,088	1,003,162

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

3001 El Camino Real Affordable Housing Project - Santa Clara County, Winter

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	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
City Park	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
Enclosed Parking with Elevator	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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

3001 El Camino Real Affordable Housing Project - Santa Clara County, Winter

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

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3001 El Camino Real Affordable Housing Project - Santa Clara County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

3001 El Camino Real Affordable Housing Project - Santa Clara County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.7409	0.1226	10.6434	5.6000e-004		0.0590	0.0590		0.0590	0.0590	0.0000	19.1865	19.1865	0.0184	0.0000	19.6468
Unmitigated	3.7409	0.1226	10.6434	5.6000e-004		0.0590	0.0590		0.0590	0.0590	0.0000	19.1865	19.1865	0.0184	0.0000	19.6468

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4744					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.9463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3202	0.1226	10.6434	5.6000e-004		0.0590	0.0590		0.0590	0.0590		19.1865	19.1865	0.0184		19.6468
Total	3.7409	0.1226	10.6434	5.6000e-004		0.0590	0.0590		0.0590	0.0590	0.0000	19.1865	19.1865	0.0184	0.0000	19.6468

3001 El Camino Real Affordable Housing Project - Santa Clara County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4744					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.9463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3202	0.1226	10.6434	5.6000e-004		0.0590	0.0590		0.0590	0.0590		19.1865	19.1865	0.0184		19.6468
Total	3.7409	0.1226	10.6434	5.6000e-004		0.0590	0.0590		0.0590	0.0590	0.0000	19.1865	19.1865	0.0184	0.0000	19.6468

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

3001 El Camino Real Affordable Housing Project - Santa Clara County, Winter

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

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

**3001 El Camino Real Affordable Housing Project
Santa Clara County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	106.00	Space	0.95	42,400.00	0
City Park	0.30	Acre	0.30	12,917.00	0
Apartments High Rise	129.00	Dwelling Unit	0.84	136,945.00	324

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	City of Palo Alto Utilities Department				
CO2 Intensity (lb/MWhr)	0	CH4 Intensity (lb/MWhr)	0	N2O Intensity (lb/MWhr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - City Park used as a proxy for common open space; residential square footage includes community room, bike storage, & other amenities in the building; population modified per DOF E-5 Persons per Household for Palo Alto

Construction Phase - Modified per client's construction schedule

Demolition -

Grading -

Architectural Coating - Modified per BAAQMD Regulation 8, Rule 6

Vehicle Trips - Modified per W-Trans trip gen

Woodstoves - No fireplaces or woodstoves per BAAQMD Regulation 6 Rule 3

Area Coating - Modified per BAAQMD Regulation 8, Rule 3

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

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

Energy Use - Convert default natural gas usage to electricity usage and add to existing electricity usage to account for an all electric building.

Water And Wastewater - The Regional Water Quality Control Plant is 100% aerobic, no septic tank or facultative lagoons on site or on wastewater treatment plant.

Construction Off-road Equipment Mitigation - Pursuant to Palo Alto Comprehensive Plan Policy N-5.5 and Comprehensive Plan EIR mitigation measure Air-2a, comply w/BAAQMD Basic Construction Mitigation Measures.

Mobile Land Use Mitigation -

Area Mitigation - BAAQMD Regulation 8, Rule 3

Water Mitigation - Pursuant to CalGreen 20% reduction in indoor water use

Waste Mitigation - AB 341 compliance

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	100
tblAreaCoating	Area_EF_Residential_Exterior	150	100
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	220.00	400.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	6.00	40.00
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	NumDays	3.00	100.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	NT24E	3,054.10	3,055.02
tblEnergyUse	NT24NG	3,155.00	0.00

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

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

tblEnergyUse	T24E	70.89	72.42
tblEnergyUse	T24NG	5,226.68	0.00
tblFireplaces	FireplaceDayYear	11.14	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberGas	19.35	0.00
tblFireplaces	NumberNoFireplace	5.16	0.00
tblFireplaces	NumberWood	21.93	0.00
tblGrading	MaterialExported	0.00	700.00
tblGrading	MaterialImported	0.00	1,800.00
tblLandUse	LandUseSquareFeet	13,068.00	12,917.00
tblLandUse	LandUseSquareFeet	129,000.00	136,945.00
tblLandUse	LotAcreage	2.08	0.84
tblLandUse	Population	369.00	324.00
tblTripsAndVMT	HaulingTripNumber	313.00	312.00
tblVehicleTrips	ST_TR	4.53	4.81
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	SU_TR	3.59	4.81
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	WD_TR	4.45	4.81
tblVehicleTrips	WD_TR	0.78	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

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

tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	2.58	0.00
tblWoodstoves	NumberNoncatalytic	2.58	0.00
tblWoodstoves	WoodstoveDayYear	14.12	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.4740	14.0359	13.8137	0.0269	1.7139	0.6327	2.2147	0.2046	0.5910	0.6655	0.0000	2,632.387 4	2,632.387 4	0.7760	0.0334	2,661.742 4
2025	45.2954	14.3283	19.0730	0.0417	7.1647	0.5325	7.6612	3.4465	0.5117	3.9032	0.0000	4,011.403 4	4,011.403 4	0.7755	0.0923	4,050.569 0
2026	1.7689	13.1347	16.6365	0.0369	1.1087	0.4800	1.5887	0.2976	0.4593	0.7569	0.0000	3,545.952 2	3,545.952 2	0.5440	0.0865	3,582.874 6
Maximum	45.2954	14.3283	19.0730	0.0417	7.1647	0.6327	7.6612	3.4465	0.5910	3.9032	0.0000	4,011.403 4	4,011.403 4	0.7760	0.0923	4,050.569 0

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.4740	14.0359	13.8137	0.0269	0.8374	0.6327	1.3383	0.1099	0.5910	0.6388	0.0000	2,632.387 4	2,632.387 4	0.7760	0.0334	2,661.742 4
2025	45.2954	14.3283	19.0730	0.0417	3.2693	0.5325	3.7657	1.5629	0.5117	2.0196	0.0000	4,011.403 4	4,011.403 4	0.7755	0.0923	4,050.569 0
2026	1.7689	13.1347	16.6365	0.0369	1.1087	0.4800	1.5887	0.2976	0.4593	0.7569	0.0000	3,545.952 2	3,545.952 2	0.5440	0.0865	3,582.874 6
Maximum	45.2954	14.3283	19.0730	0.0417	3.2693	0.6327	3.7657	1.5629	0.5910	2.0196	0.0000	4,011.403 4	4,011.403 4	0.7760	0.0923	4,050.569 0

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.7409	0.1226	10.6434	5.6000e-004		0.0590	0.0590		0.0590	0.0590	0.0000	19.1865	19.1865	0.0184	0.0000	19.6468
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	1.3667	1.1923	11.7182	0.0260	3.0131	0.0174	3.0305	0.8020	0.0162	0.8183		2,731.7638	2,731.7638	0.1488	0.1111	2,768.5972
Total	5.1076	1.3149	22.3616	0.0266	3.0131	0.0765	3.0895	0.8020	0.0753	0.8773	0.0000	2,750.9504	2,750.9504	0.1672	0.1111	2,788.2440

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.7409	0.1226	10.6434	5.6000e-004		0.0590	0.0590		0.0590	0.0590	0.0000	19.1865	19.1865	0.0184	0.0000	19.6468
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	1.2080	0.9277	8.9676	0.0185	2.1091	0.0129	2.1220	0.5614	0.0120	0.5734		1,936.8877	1,936.8877	0.1208	0.0869	1,965.8001
Total	4.9489	1.0503	19.6110	0.0190	2.1091	0.0719	2.1811	0.5614	0.0710	0.6324	0.0000	1,956.0742	1,956.0742	0.1392	0.0869	1,985.4469

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	3.11	20.12	12.30	28.51	30.00	5.96	29.41	30.00	5.65	27.91	0.00	28.89	28.89	16.72	21.81	28.79

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	9/2/2024	10/11/2024	6	35	
2	Site Preparation	Site Preparation	10/12/2024	2/5/2025	6	100	
3	Grading	Grading	2/6/2025	3/24/2025	6	40	
4	Building Construction	Building Construction	3/25/2025	7/3/2026	6	400	
5	Architectural Coating	Architectural Coating	7/29/2025	9/12/2025	6	40	
6	Paving	Paving	7/4/2026	7/28/2026	6	21	

Acres of Grading (Site Preparation Phase): 150

Acres of Grading (Grading Phase): 40

Acres of Paving: 0.95

Residential Indoor: 277,314; Residential Outdoor: 92,438; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 2,544 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45

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

Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	8	116.00	23.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	5	13.00	0.00	35.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	312.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

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

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2159	0.0000	0.2159	0.0327	0.0000	0.0327			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895		2,324.9459	2,324.9459	0.5884		2,339.6562
Total	1.4397	13.8867	13.4879	0.0241	0.2159	0.6311	0.8470	0.0327	0.5895	0.6222		2,324.9459	2,324.9459	0.5884		2,339.6562

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.1400e-003	0.1311	0.0316	5.9000e-004	0.0175	1.1100e-003	0.0186	4.8000e-003	1.0600e-003	5.8600e-003		64.9401	64.9401	2.2300e-003	0.0103	68.0643
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0321	0.0181	0.2942	8.8000e-004	0.1068	4.9000e-004	0.1073	0.0283	4.5000e-004	0.0288		91.1998	91.1998	2.1300e-003	2.0900e-003	91.8749
Total	0.0343	0.1493	0.3258	1.4700e-003	0.1243	1.6000e-003	0.1259	0.0331	1.5100e-003	0.0346		156.1399	156.1399	4.3600e-003	0.0124	159.9391

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

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

3.2 Demolition - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0972	0.0000	0.0972	0.0147	0.0000	0.0147			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562
Total	1.4397	13.8867	13.4879	0.0241	0.0972	0.6311	0.7283	0.0147	0.5895	0.6042	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.1400e-003	0.1311	0.0316	5.9000e-004	0.0175	1.1100e-003	0.0186	4.8000e-003	1.0600e-003	5.8600e-003		64.9401	64.9401	2.2300e-003	0.0103	68.0643
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0321	0.0181	0.2942	8.8000e-004	0.1068	4.9000e-004	0.1073	0.0283	4.5000e-004	0.0288		91.1998	91.1998	2.1300e-003	2.0900e-003	91.8749
Total	0.0343	0.1493	0.3258	1.4700e-003	0.1243	1.6000e-003	0.1259	0.0331	1.5100e-003	0.0346		156.1399	156.1399	4.3600e-003	0.0124	159.9391

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

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

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5936	0.0000	1.5936	0.1722	0.0000	0.1722			0.0000			0.0000
Off-Road	1.2406	13.1186	9.5796	0.0245		0.4971	0.4971		0.4573	0.4573		2,373.651 4	2,373.651 4	0.7677		2,392.843 5
Total	1.2406	13.1186	9.5796	0.0245	1.5936	0.4971	2.0907	0.1722	0.4573	0.6295		2,373.651 4	2,373.651 4	0.7677		2,392.843 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.6700e-003	0.4092	0.0985	1.8600e-003	0.0546	3.4600e-003	0.0581	0.0150	3.3100e-003	0.0183		202.6131	202.6131	6.9700e-003	0.0321	212.3605
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0198	0.0111	0.1810	5.4000e-004	0.0657	3.0000e-004	0.0660	0.0174	2.8000e-004	0.0177		56.1230	56.1230	1.3100e-003	1.2800e-003	56.5384
Total	0.0264	0.4203	0.2796	2.4000e-003	0.1203	3.7600e-003	0.1241	0.0324	3.5900e-003	0.0360		258.7361	258.7361	8.2800e-003	0.0334	268.8989

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

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

3.3 Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7171	0.0000	0.7171	0.0775	0.0000	0.0775			0.0000			0.0000
Off-Road	1.2406	13.1186	9.5796	0.0245		0.4971	0.4971		0.4573	0.4573	0.0000	2,373.651 4	2,373.651 4	0.7677		2,392.843 5
Total	1.2406	13.1186	9.5796	0.0245	0.7171	0.4971	1.2142	0.0775	0.4573	0.5348	0.0000	2,373.651 4	2,373.651 4	0.7677		2,392.843 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.6700e-003	0.4092	0.0985	1.8600e-003	0.0546	3.4600e-003	0.0581	0.0150	3.3100e-003	0.0183		202.6131	202.6131	6.9700e-003	0.0321	212.3605
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0198	0.0111	0.1810	5.4000e-004	0.0657	3.0000e-004	0.0660	0.0174	2.8000e-004	0.0177		56.1230	56.1230	1.3100e-003	1.2800e-003	56.5384
Total	0.0264	0.4203	0.2796	2.4000e-003	0.1203	3.7600e-003	0.1241	0.0324	3.5900e-003	0.0360		258.7361	258.7361	8.2800e-003	0.0334	268.8989

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Fugitive Dust					1.5936	0.0000	1.5936	0.1722	0.0000	0.1722			0.0000			0.0000
Off-Road	1.0985	10.9957	8.9257	0.0245		0.4094	0.4094		0.3766	0.3766		2,372.6856	2,372.6856	0.7674		2,391.8700
Total	1.0985	10.9957	8.9257	0.0245	1.5936	0.4094	2.0029	0.1722	0.3766	0.5488		2,372.6856	2,372.6856	0.7674		2,391.8700

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.6400e-003	0.4067	0.0990	1.8200e-003	0.0546	3.4600e-003	0.0581	0.0150	3.3100e-003	0.0183		198.7092	198.7092	6.9100e-003	0.0315	208.2714
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0186	0.0101	0.1698	5.3000e-004	0.0657	2.9000e-004	0.0660	0.0174	2.6000e-004	0.0177		54.7974	54.7974	1.1900e-003	1.2100e-003	55.1862
Total	0.0252	0.4167	0.2688	2.3500e-003	0.1203	3.7500e-003	0.1241	0.0324	3.5700e-003	0.0360		253.5065	253.5065	8.1000e-003	0.0327	263.4576

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Fugitive Dust					0.7171	0.0000	0.7171	0.0775	0.0000	0.0775			0.0000			0.0000
Off-Road	1.0985	10.9957	8.9257	0.0245		0.4094	0.4094		0.3766	0.3766	0.0000	2,372.6856	2,372.6856	0.7674		2,391.8700
Total	1.0985	10.9957	8.9257	0.0245	0.7171	0.4094	1.1265	0.0775	0.3766	0.4541	0.0000	2,372.6856	2,372.6856	0.7674		2,391.8700

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.6400e-003	0.4067	0.0990	1.8200e-003	0.0546	3.4600e-003	0.0581	0.0150	3.3100e-003	0.0183		198.7092	198.7092	6.9100e-003	0.0315	208.2714
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0186	0.0101	0.1698	5.3000e-004	0.0657	2.9000e-004	0.0660	0.0174	2.6000e-004	0.0177		54.7974	54.7974	1.1900e-003	1.2100e-003	55.1862
Total	0.0252	0.4167	0.2688	2.3500e-003	0.1203	3.7500e-003	0.1241	0.0324	3.5700e-003	0.0360		253.5065	253.5065	8.1000e-003	0.0327	263.4576

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.1904	12.4243	8.4937	0.0206		0.4961	0.4961		0.4564	0.4564		1,995.7975	1,995.7975	0.6455		2,011.9345
Total	1.1904	12.4243	8.4937	0.0206	7.0826	0.4961	7.5787	3.4247	0.4564	3.8811		1,995.7975	1,995.7975	0.6455		2,011.9345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0233	0.0126	0.2122	6.6000e-004	0.0822	3.6000e-004	0.0825	0.0218	3.3000e-004	0.0221		68.4967	68.4967	1.4900e-003	1.5100e-003	68.9828
Total	0.0233	0.0126	0.2122	6.6000e-004	0.0822	3.6000e-004	0.0825	0.0218	3.3000e-004	0.0221		68.4967	68.4967	1.4900e-003	1.5100e-003	68.9828

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	lb/day										lb/day					
Fugitive Dust					3.1872	0.0000	3.1872	1.5411	0.0000	1.5411			0.0000			0.0000
Off-Road	1.1904	12.4243	8.4937	0.0206		0.4961	0.4961		0.4564	0.4564	0.0000	1,995.7975	1,995.7975	0.6455		2,011.9345
Total	1.1904	12.4243	8.4937	0.0206	3.1872	0.4961	3.6832	1.5411	0.4564	1.9975	0.0000	1,995.7975	1,995.7975	0.6455		2,011.9345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0233	0.0126	0.2122	6.6000e-004	0.0822	3.6000e-004	0.0825	0.0218	3.3000e-004	0.0221		68.4967	68.4967	1.4900e-003	1.5100e-003	68.9828
Total	0.0233	0.0126	0.2122	6.6000e-004	0.0822	3.6000e-004	0.0825	0.0218	3.3000e-004	0.0221		68.4967	68.4967	1.4900e-003	1.5100e-003	68.9828

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

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

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498		2,289.8898	2,289.8898	0.4200		2,300.3887
Total	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498		2,289.8898	2,289.8898	0.4200		2,300.3887

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0245	0.9848	0.3066	4.5500e-003	0.1558	6.0700e-003	0.1619	0.0449	5.8000e-003	0.0507		487.9612	487.9612	0.0104	0.0714	509.4880
Worker	0.2697	0.1458	2.4620	7.6300e-003	0.9529	4.1700e-003	0.9571	0.2528	3.8400e-003	0.2566		794.5618	794.5618	0.0172	0.0175	800.2001
Total	0.2942	1.1306	2.7685	0.0122	1.1087	0.0102	1.1190	0.2976	9.6400e-003	0.3073		1,282.5230	1,282.5230	0.0276	0.0888	1,309.6881

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

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

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498	0.0000	2,289.8898	2,289.8898	0.4200		2,300.3887
Total	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498	0.0000	2,289.8898	2,289.8898	0.4200		2,300.3887

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0245	0.9848	0.3066	4.5500e-003	0.1558	6.0700e-003	0.1619	0.0449	5.8000e-003	0.0507		487.9612	487.9612	0.0104	0.0714	509.4880
Worker	0.2697	0.1458	2.4620	7.6300e-003	0.9529	4.1700e-003	0.9571	0.2528	3.8400e-003	0.2566		794.5618	794.5618	0.0172	0.0175	800.2001
Total	0.2942	1.1306	2.7685	0.0122	1.1087	0.0102	1.1190	0.2976	9.6400e-003	0.3073		1,282.5230	1,282.5230	0.0276	0.0888	1,309.6881

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

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

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498		2,289.8898	2,289.8898	0.4200		2,300.3887
Total	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498		2,289.8898	2,289.8898	0.4200		2,300.3887

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0240	0.9784	0.3025	4.4700e-003	0.1558	6.0400e-003	0.1619	0.0449	5.7800e-003	0.0506		479.3347	479.3347	0.0103	0.0700	500.4376
Worker	0.2551	0.1330	2.3268	7.3900e-003	0.9529	3.9800e-003	0.9569	0.2528	3.6600e-003	0.2564		776.7277	776.7277	0.0157	0.0165	782.0483
Total	0.2792	1.1114	2.6293	0.0119	1.1087	0.0100	1.1187	0.2976	9.4400e-003	0.3071		1,256.0624	1,256.0624	0.0260	0.0865	1,282.4859

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

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

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498	0.0000	2,289.8898	2,289.8898	0.4200		2,300.3887
Total	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498	0.0000	2,289.8898	2,289.8898	0.4200		2,300.3887

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0240	0.9784	0.3025	4.4700e-003	0.1558	6.0400e-003	0.1619	0.0449	5.7800e-003	0.0506		479.3347	479.3347	0.0103	0.0700	500.4376
Worker	0.2551	0.1330	2.3268	7.3900e-003	0.9529	3.9800e-003	0.9569	0.2528	3.6600e-003	0.2564		776.7277	776.7277	0.0157	0.0165	782.0483
Total	0.2792	1.1114	2.6293	0.0119	1.1087	0.0100	1.1187	0.2976	9.4400e-003	0.3071		1,256.0624	1,256.0624	0.0260	0.0865	1,282.4859

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

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

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.2872					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	43.4581	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0535	0.0289	0.4882	1.5100e-003	0.1889	8.3000e-004	0.1898	0.0501	7.6000e-004	0.0509		157.5424	157.5424	3.4200e-003	3.4600e-003	158.6604
Total	0.0535	0.0289	0.4882	1.5100e-003	0.1889	8.3000e-004	0.1898	0.0501	7.6000e-004	0.0509		157.5424	157.5424	3.4200e-003	3.4600e-003	158.6604

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

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

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.2872					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	43.4581	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0535	0.0289	0.4882	1.5100e-003	0.1889	8.3000e-004	0.1898	0.0501	7.6000e-004	0.0509		157.5424	157.5424	3.4200e-003	3.4600e-003	158.6604
Total	0.0535	0.0289	0.4882	1.5100e-003	0.1889	8.3000e-004	0.1898	0.0501	7.6000e-004	0.0509		157.5424	157.5424	3.4200e-003	3.4600e-003	158.6604

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

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

3.7 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7854	7.4371	11.6737	0.0179		0.3503	0.3503		0.3234	0.3234		1,710.0067	1,710.0067	0.5420		1,723.5556
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7854	7.4371	11.6737	0.0179		0.3503	0.3503		0.3234	0.3234		1,710.0067	1,710.0067	0.5420		1,723.5556

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0330	0.0172	0.3009	9.6000e-004	0.1232	5.1000e-004	0.1237	0.0327	4.7000e-004	0.0332		100.4389	100.4389	2.0300e-003	2.1400e-003	101.1269
Total	0.0330	0.0172	0.3009	9.6000e-004	0.1232	5.1000e-004	0.1237	0.0327	4.7000e-004	0.0332		100.4389	100.4389	2.0300e-003	2.1400e-003	101.1269

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

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

3.7 Paving - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7854	7.4371	11.6737	0.0179		0.3503	0.3503		0.3234	0.3234	0.0000	1,710.0067	1,710.0067	0.5420		1,723.5556
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7854	7.4371	11.6737	0.0179		0.3503	0.3503		0.3234	0.3234	0.0000	1,710.0067	1,710.0067	0.5420		1,723.5556

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0330	0.0172	0.3009	9.6000e-004	0.1232	5.1000e-004	0.1237	0.0327	4.7000e-004	0.0332		100.4389	100.4389	2.0300e-003	2.1400e-003	101.1269
Total	0.0330	0.0172	0.3009	9.6000e-004	0.1232	5.1000e-004	0.1237	0.0327	4.7000e-004	0.0332		100.4389	100.4389	2.0300e-003	2.1400e-003	101.1269

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2080	0.9277	8.9676	0.0185	2.1091	0.0129	2.1220	0.5614	0.0120	0.5734		1,936.8877	1,936.8877	0.1208	0.0869	1,965.8001
Unmitigated	1.3667	1.1923	11.7182	0.0260	3.0131	0.0174	3.0305	0.8020	0.0162	0.8183		2,731.7638	2,731.7638	0.1488	0.1111	2,768.5972

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	620.49	620.49	620.49	1,433,088	1,003,162
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Total	620.49	620.49	620.49	1,433,088	1,003,162

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	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
City Park	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
Enclosed Parking with Elevator	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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

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

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

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

5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

3001 El Camino Real Affordable Housing Project - Santa Clara County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.7409	0.1226	10.6434	5.6000e-004		0.0590	0.0590		0.0590	0.0590	0.0000	19.1865	19.1865	0.0184	0.0000	19.6468
Unmitigated	3.7409	0.1226	10.6434	5.6000e-004		0.0590	0.0590		0.0590	0.0590	0.0000	19.1865	19.1865	0.0184	0.0000	19.6468

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4744					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.9463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3202	0.1226	10.6434	5.6000e-004		0.0590	0.0590		0.0590	0.0590		19.1865	19.1865	0.0184		19.6468
Total	3.7409	0.1226	10.6434	5.6000e-004		0.0590	0.0590		0.0590	0.0590	0.0000	19.1865	19.1865	0.0184	0.0000	19.6468

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4744					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.9463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3202	0.1226	10.6434	5.6000e-004		0.0590	0.0590		0.0590	0.0590		19.1865	19.1865	0.0184		19.6468
Total	3.7409	0.1226	10.6434	5.6000e-004		0.0590	0.0590		0.0590	0.0590	0.0000	19.1865	19.1865	0.0184	0.0000	19.6468

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

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

**3001 El Camino Real Affordable Housing Project
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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	106.00	Space	0.95	42,400.00	0
City Park	0.30	Acre	0.30	12,917.00	0
Apartments High Rise	129.00	Dwelling Unit	0.84	136,945.00	324

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	City of Palo Alto Utilities Department				
CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - City Park used as a proxy for common open space; residential square footage includes community room, bike storage, & other amenities in the building; population modified per DOF E-5 Persons per Household for Palo Alto

Construction Phase - Modified per client's construction schedule

Demolition -

Grading -

Architectural Coating - Modified per BAAQMD Regulation 8, Rule 6

Vehicle Trips - Modified per W-Trans trip gen

Woodstoves - No fireplaces or woodstoves per BAAQMD Regulation 6 Rule 3

Area Coating - Modified per BAAQMD Regulation 8, Rule 3

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

Energy Use - Convert default natural gas usage to electricity usage and add to existing electricity usage to account for an all electric building.

Water And Wastewater - The Regional Water Quality Control Plant is 100% aerobic, no septic tank or facultative lagoons on site or on wastewater treatment plant.

Construction Off-road Equipment Mitigation - Pursuant to Palo Alto Comprehensive Plan Policy N-5.5 and Comprehensive Plan EIR mitigation measure Air-2a, comply w/BAAQMD Basic Construction Mitigation Measures.

Mobile Land Use Mitigation -

Area Mitigation - BAAQMD Regulation 8, Rule 3

Water Mitigation - Pursuant to CalGreen 20% reduction in indoor water use

Waste Mitigation - AB 341 compliance

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	100
tblAreaCoating	Area_EF_Residential_Exterior	150	100
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	220.00	400.00
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	6.00	40.00
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	NumDays	3.00	100.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	NT24E	3,054.10	3,055.02
tblEnergyUse	NT24NG	3,155.00	0.00

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

tblEnergyUse	T24E	70.89	72.42
tblEnergyUse	T24NG	5,226.68	0.00
tblFireplaces	FireplaceDayYear	11.14	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberGas	19.35	0.00
tblFireplaces	NumberNoFireplace	5.16	0.00
tblFireplaces	NumberWood	21.93	0.00
tblGrading	MaterialExported	0.00	700.00
tblGrading	MaterialImported	0.00	1,800.00
tblLandUse	LandUseSquareFeet	13,068.00	12,917.00
tblLandUse	LandUseSquareFeet	129,000.00	136,945.00
tblLandUse	LotAcreage	2.08	0.84
tblLandUse	Population	369.00	324.00
tblTripsAndVMT	HaulingTripNumber	313.00	312.00
tblVehicleTrips	ST_TR	4.53	4.81
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	SU_TR	3.59	4.81
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	WD_TR	4.45	4.81
tblVehicleTrips	WD_TR	0.78	0.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

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

tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	2.58	0.00
tblWoodstoves	NumberNoncatalytic	2.58	0.00
tblWoodstoves	WoodstoveDayYear	14.12	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.0694	0.7134	0.5810	1.3700e-003	0.0896	0.0284	0.1179	0.0108	0.0262	0.0371	0.0000	121.5793	121.5793	0.0337	1.2500e-003	122.7938
2025	1.1260	2.0475	2.3699	5.3700e-003	0.3580	0.0755	0.4335	0.1139	0.0717	0.1856	0.0000	468.7610	468.7610	0.0722	0.0105	473.6865
2026	0.1473	1.1200	1.4268	3.0800e-003	0.0859	0.0416	0.1275	0.0231	0.0397	0.0628	0.0000	267.8596	267.8596	0.0372	6.3200e-003	270.6727
Maximum	1.1260	2.0475	2.3699	5.3700e-003	0.3580	0.0755	0.4335	0.1139	0.0717	0.1856	0.0000	468.7610	468.7610	0.0722	0.0105	473.6865

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.0694	0.7134	0.5810	1.3700e-003	0.0437	0.0284	0.0720	5.7800e-003	0.0262	0.0320	0.0000	121.5791	121.5791	0.0337	1.2500e-003	122.7937
2025	1.1260	2.0475	2.3699	5.3700e-003	0.2363	0.0755	0.3118	0.0715	0.0717	0.1432	0.0000	468.7606	468.7606	0.0722	0.0105	473.6861
2026	0.1473	1.1200	1.4268	3.0800e-003	0.0859	0.0416	0.1275	0.0231	0.0397	0.0628	0.0000	267.8594	267.8594	0.0372	6.3200e-003	270.6724
Maximum	1.1260	2.0475	2.3699	5.3700e-003	0.2363	0.0755	0.3118	0.0715	0.0717	0.1432	0.0000	468.7606	468.7606	0.0722	0.0105	473.6861

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	31.42	0.00	24.69	32.10	0.00	16.62	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	9-2-2024	12-1-2024	0.5901	0.5901
2	12-2-2024	3-1-2025	0.5250	0.5250
3	3-2-2025	6-1-2025	0.5766	0.5766
4	6-2-2025	9-1-2025	1.2593	1.2593
5	9-2-2025	12-1-2025	0.7958	0.7958
6	12-2-2025	3-1-2026	0.5790	0.5790
7	3-2-2026	6-1-2026	0.5889	0.5889
8	6-2-2026	9-1-2026	0.2930	0.2930
		Highest	1.2593	1.2593

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.6531	0.0110	0.9579	5.0000e-005		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003	0.0000	1.5665	1.5665	1.5000e-003	0.0000	1.6041
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.2222	0.2354	2.1235	4.4900e-003	0.5296	3.1700e-003	0.5327	0.1414	2.9500e-003	0.1443	0.0000	427.6073	427.6073	0.0262	0.0193	434.0133
Waste						0.0000	0.0000		0.0000	0.0000	12.0516	0.0000	12.0516	0.7122	0.0000	29.8573
Water						0.0000	0.0000		0.0000	0.0000	2.9737	0.0000	2.9737	0.0102	6.4700e-003	5.1566
Total	0.8753	0.2464	3.0814	4.5400e-003	0.5296	8.4800e-003	0.5380	0.1414	8.2600e-003	0.1496	15.0252	429.1738	444.1990	0.7501	0.0258	470.6312

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.6531	0.0110	0.9579	5.0000e-005		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003	0.0000	1.5665	1.5665	1.5000e-003	0.0000	1.6041
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1929	0.1832	1.6598	3.1900e-003	0.3707	2.3400e-003	0.3730	0.0990	2.1800e-003	0.1011	0.0000	303.4549	303.4549	0.0216	0.0151	308.5039
Waste						0.0000	0.0000		0.0000	0.0000	6.0258	0.0000	6.0258	0.3561	0.0000	14.9286
Water						0.0000	0.0000		0.0000	0.0000	2.3789	0.0000	2.3789	8.1900e-003	5.1700e-003	4.1253
Total	0.8460	0.1943	2.6177	3.2400e-003	0.3707	7.6500e-003	0.3783	0.0990	7.4900e-003	0.1064	8.4047	305.0214	313.4262	0.3874	0.0203	329.1619

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	3.35	21.17	15.05	28.63	30.00	9.79	29.68	30.00	9.32	28.86	44.06	28.93	29.44	48.36	21.23	30.06

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	9/2/2024	10/11/2024	6	35	
2	Site Preparation	Site Preparation	10/12/2024	2/5/2025	6	100	
3	Grading	Grading	2/6/2025	3/24/2025	6	40	

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4	Building Construction	Building Construction	3/25/2025	7/3/2026	6	400
5	Architectural Coating	Architectural Coating	7/29/2025	9/12/2025	6	40
6	Paving	Paving	7/4/2026	7/28/2026	6	21

Acres of Grading (Site Preparation Phase): 150

Acres of Grading (Grading Phase): 40

Acres of Paving: 0.95

Residential Indoor: 277,314; Residential Outdoor: 92,438; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 2,544 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36

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Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	8	116.00	23.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	5	13.00	0.00	35.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	312.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.7800e-003	0.0000	3.7800e-003	5.7000e-004	0.0000	5.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0252	0.2430	0.2360	4.2000e-004		0.0110	0.0110		0.0103	0.0103	0.0000	36.9102	36.9102	9.3400e-003	0.0000	37.1438
Total	0.0252	0.2430	0.2360	4.2000e-004	3.7800e-003	0.0110	0.0148	5.7000e-004	0.0103	0.0109	0.0000	36.9102	36.9102	9.3400e-003	0.0000	37.1438

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	2.3800e-003	5.6000e-004	1.0000e-005	3.0000e-004	2.0000e-005	3.2000e-004	8.0000e-005	2.0000e-005	1.0000e-004	0.0000	1.0314	1.0314	4.0000e-005	1.6000e-004	1.0810
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	3.5000e-004	4.7600e-003	1.0000e-005	1.8000e-003	1.0000e-005	1.8100e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.3571	1.3571	4.0000e-005	4.0000e-005	1.3686
Total	5.7000e-004	2.7300e-003	5.3200e-003	2.0000e-005	2.1000e-003	3.0000e-005	2.1300e-003	5.6000e-004	3.0000e-005	5.9000e-004	0.0000	2.3885	2.3885	8.0000e-005	2.0000e-004	2.4496

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

3.2 Demolition - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.7000e-003	0.0000	1.7000e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0252	0.2430	0.2360	4.2000e-004		0.0110	0.0110		0.0103	0.0103	0.0000	36.9102	36.9102	9.3400e-003	0.0000	37.1437
Total	0.0252	0.2430	0.2360	4.2000e-004	1.7000e-003	0.0110	0.0127	2.6000e-004	0.0103	0.0106	0.0000	36.9102	36.9102	9.3400e-003	0.0000	37.1437

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	2.3800e-003	5.6000e-004	1.0000e-005	3.0000e-004	2.0000e-005	3.2000e-004	8.0000e-005	2.0000e-005	1.0000e-004	0.0000	1.0314	1.0314	4.0000e-005	1.6000e-004	1.0810
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	3.5000e-004	4.7600e-003	1.0000e-005	1.8000e-003	1.0000e-005	1.8100e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.3571	1.3571	4.0000e-005	4.0000e-005	1.3686
Total	5.7000e-004	2.7300e-003	5.3200e-003	2.0000e-005	2.1000e-003	3.0000e-005	2.1300e-003	5.6000e-004	3.0000e-005	5.9000e-004	0.0000	2.3885	2.3885	8.0000e-005	2.0000e-004	2.4496

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

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0797	0.0000	0.0797	8.6100e-003	0.0000	8.6100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0428	0.4526	0.3305	8.5000e-004		0.0172	0.0172		0.0158	0.0158	0.0000	74.2902	74.2902	0.0240	0.0000	74.8909
Total	0.0428	0.4526	0.3305	8.5000e-004	0.0797	0.0172	0.0968	8.6100e-003	0.0158	0.0244	0.0000	74.2902	74.2902	0.0240	0.0000	74.8909

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.2000e-004	0.0146	3.4200e-003	6.0000e-005	1.8300e-003	1.2000e-004	1.9500e-003	5.0000e-004	1.1000e-004	6.2000e-004	0.0000	6.3439	6.3439	2.2000e-004	1.0100e-003	6.6491
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	4.3000e-004	5.7800e-003	2.0000e-005	2.1900e-003	1.0000e-005	2.2000e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.6464	1.6464	4.0000e-005	4.0000e-005	1.6604
Total	8.7000e-004	0.0151	9.2000e-003	8.0000e-005	4.0200e-003	1.3000e-004	4.1500e-003	1.0800e-003	1.2000e-004	1.2100e-003	0.0000	7.9903	7.9903	2.6000e-004	1.0500e-003	8.3095

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

3.3 Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0359	0.0000	0.0359	3.8700e-003	0.0000	3.8700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0428	0.4526	0.3305	8.5000e-004		0.0172	0.0172		0.0158	0.0158	0.0000	74.2902	74.2902	0.0240	0.0000	74.8908
Total	0.0428	0.4526	0.3305	8.5000e-004	0.0359	0.0172	0.0530	3.8700e-003	0.0158	0.0197	0.0000	74.2902	74.2902	0.0240	0.0000	74.8908

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.2000e-004	0.0146	3.4200e-003	6.0000e-005	1.8300e-003	1.2000e-004	1.9500e-003	5.0000e-004	1.1000e-004	6.2000e-004	0.0000	6.3439	6.3439	2.2000e-004	1.0100e-003	6.6491
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	4.3000e-004	5.7800e-003	2.0000e-005	2.1900e-003	1.0000e-005	2.2000e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.6464	1.6464	4.0000e-005	4.0000e-005	1.6604
Total	8.7000e-004	0.0151	9.2000e-003	8.0000e-005	4.0200e-003	1.3000e-004	4.1500e-003	1.0800e-003	1.2000e-004	1.2100e-003	0.0000	7.9903	7.9903	2.6000e-004	1.0500e-003	8.3095

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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					0.0797	0.0000	0.0797	8.6100e-003	0.0000	8.6100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0170	0.1704	0.1384	3.8000e-004		6.3400e-003	6.3400e-003		5.8400e-003	5.8400e-003	0.0000	33.3632	33.3632	0.0108	0.0000	33.6330
Total	0.0170	0.1704	0.1384	3.8000e-004	0.0797	6.3400e-003	0.0860	8.6100e-003	5.8400e-003	0.0145	0.0000	33.3632	33.3632	0.0108	0.0000	33.6330

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	6.5400e-003	1.5400e-003	3.0000e-005	8.2000e-004	5.0000e-005	8.7000e-004	2.3000e-004	5.0000e-005	2.8000e-004	0.0000	2.7953	2.7953	1.0000e-004	4.4000e-004	2.9298
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	1.7000e-004	2.4400e-003	1.0000e-005	9.8000e-004	0.0000	9.9000e-004	2.6000e-004	0.0000	2.7000e-004	0.0000	0.7223	0.7223	2.0000e-005	2.0000e-005	0.7282
Total	3.7000e-004	6.7100e-003	3.9800e-003	4.0000e-005	1.8000e-003	5.0000e-005	1.8600e-003	4.9000e-004	5.0000e-005	5.5000e-004	0.0000	3.5176	3.5176	1.2000e-004	4.6000e-004	3.6580

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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					0.0359	0.0000	0.0359	3.8700e-003	0.0000	3.8700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0170	0.1704	0.1384	3.8000e-004		6.3400e-003	6.3400e-003		5.8400e-003	5.8400e-003	0.0000	33.3632	33.3632	0.0108	0.0000	33.6329
Total	0.0170	0.1704	0.1384	3.8000e-004	0.0359	6.3400e-003	0.0422	3.8700e-003	5.8400e-003	9.7100e-003	0.0000	33.3632	33.3632	0.0108	0.0000	33.6329

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	6.5400e-003	1.5400e-003	3.0000e-005	8.2000e-004	5.0000e-005	8.7000e-004	2.3000e-004	5.0000e-005	2.8000e-004	0.0000	2.7953	2.7953	1.0000e-004	4.4000e-004	2.9298
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	1.7000e-004	2.4400e-003	1.0000e-005	9.8000e-004	0.0000	9.9000e-004	2.6000e-004	0.0000	2.7000e-004	0.0000	0.7223	0.7223	2.0000e-005	2.0000e-005	0.7282
Total	3.7000e-004	6.7100e-003	3.9800e-003	4.0000e-005	1.8000e-003	5.0000e-005	1.8600e-003	4.9000e-004	5.0000e-005	5.5000e-004	0.0000	3.5176	3.5176	1.2000e-004	4.6000e-004	3.6580

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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					0.1417	0.0000	0.1417	0.0685	0.0000	0.0685	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0238	0.2485	0.1699	4.1000e-004		9.9200e-003	9.9200e-003		9.1300e-003	9.1300e-003	0.0000	36.2111	36.2111	0.0117	0.0000	36.5039
Total	0.0238	0.2485	0.1699	4.1000e-004	0.1417	9.9200e-003	0.1516	0.0685	9.1300e-003	0.0776	0.0000	36.2111	36.2111	0.0117	0.0000	36.5039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	2.8000e-004	3.9300e-003	1.0000e-005	1.5900e-003	1.0000e-005	1.5900e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.1650	1.1650	3.0000e-005	3.0000e-005	1.1745
Total	4.4000e-004	2.8000e-004	3.9300e-003	1.0000e-005	1.5900e-003	1.0000e-005	1.5900e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.1650	1.1650	3.0000e-005	3.0000e-005	1.1745

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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					0.0637	0.0000	0.0637	0.0308	0.0000	0.0308	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0238	0.2485	0.1699	4.1000e-004		9.9200e-003	9.9200e-003		9.1300e-003	9.1300e-003	0.0000	36.2111	36.2111	0.0117	0.0000	36.5039
Total	0.0238	0.2485	0.1699	4.1000e-004	0.0637	9.9200e-003	0.0737	0.0308	9.1300e-003	0.0400	0.0000	36.2111	36.2111	0.0117	0.0000	36.5039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	2.8000e-004	3.9300e-003	1.0000e-005	1.5900e-003	1.0000e-005	1.5900e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.1650	1.1650	3.0000e-005	3.0000e-005	1.1745
Total	4.4000e-004	2.8000e-004	3.9300e-003	1.0000e-005	1.5900e-003	1.0000e-005	1.5900e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.1650	1.1650	3.0000e-005	3.0000e-005	1.1745

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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	0.1803	1.4548	1.6949	3.0300e-003		0.0569	0.0569		0.0544	0.0544	0.0000	251.3597	251.3597	0.0461	0.0000	252.5122
Total	0.1803	1.4548	1.6949	3.0300e-003		0.0569	0.0569		0.0544	0.0544	0.0000	251.3597	251.3597	0.0461	0.0000	252.5122

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9100e-003	0.1235	0.0377	5.5000e-004	0.0183	7.4000e-004	0.0191	5.3000e-003	7.0000e-004	6.0000e-003	0.0000	53.5965	53.5965	1.1400e-003	7.8400e-003	55.9623
Worker	0.0310	0.0197	0.2759	8.7000e-004	0.1113	5.0000e-004	0.1118	0.0296	4.6000e-004	0.0301	0.0000	81.7617	81.7617	2.0200e-003	2.0700e-003	82.4277
Total	0.0339	0.1432	0.3136	1.4200e-003	0.1296	1.2400e-003	0.1309	0.0349	1.1600e-003	0.0361	0.0000	135.3582	135.3582	3.1600e-003	9.9100e-003	138.3900

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3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1803	1.4548	1.6949	3.0300e-003		0.0569	0.0569		0.0544	0.0544	0.0000	251.3594	251.3594	0.0461	0.0000	252.5119
Total	0.1803	1.4548	1.6949	3.0300e-003		0.0569	0.0569		0.0544	0.0544	0.0000	251.3594	251.3594	0.0461	0.0000	252.5119

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9100e-003	0.1235	0.0377	5.5000e-004	0.0183	7.4000e-004	0.0191	5.3000e-003	7.0000e-004	6.0000e-003	0.0000	53.5965	53.5965	1.1400e-003	7.8400e-003	55.9623
Worker	0.0310	0.0197	0.2759	8.7000e-004	0.1113	5.0000e-004	0.1118	0.0296	4.6000e-004	0.0301	0.0000	81.7617	81.7617	2.0200e-003	2.0700e-003	82.4277
Total	0.0339	0.1432	0.3136	1.4200e-003	0.1296	1.2400e-003	0.1309	0.0349	1.1600e-003	0.0361	0.0000	135.3582	135.3582	3.1600e-003	9.9100e-003	138.3900

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

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1177	0.9498	1.1066	1.9800e-003		0.0371	0.0371		0.0355	0.0355	0.0000	164.1109	164.1109	0.0301	0.0000	164.8633
Total	0.1177	0.9498	1.1066	1.9800e-003		0.0371	0.0371		0.0355	0.0355	0.0000	164.1109	164.1109	0.0301	0.0000	164.8633

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8600e-003	0.0801	0.0243	3.5000e-004	0.0120	4.8000e-004	0.0124	3.4600e-003	4.6000e-004	3.9200e-003	0.0000	34.3745	34.3745	7.3000e-004	5.0200e-003	35.8887
Worker	0.0192	0.0118	0.1705	5.5000e-004	0.0727	3.1000e-004	0.0730	0.0193	2.9000e-004	0.0196	0.0000	52.1887	52.1887	1.2100e-003	1.2800e-003	52.5990
Total	0.0210	0.0919	0.1948	9.0000e-004	0.0846	7.9000e-004	0.0854	0.0228	7.5000e-004	0.0235	0.0000	86.5632	86.5632	1.9400e-003	6.3000e-003	88.4877

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

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1177	0.9498	1.1066	1.9800e-003		0.0371	0.0371		0.0355	0.0355	0.0000	164.1107	164.1107	0.0301	0.0000	164.8631
Total	0.1177	0.9498	1.1066	1.9800e-003		0.0371	0.0371		0.0355	0.0355	0.0000	164.1107	164.1107	0.0301	0.0000	164.8631

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8600e-003	0.0801	0.0243	3.5000e-004	0.0120	4.8000e-004	0.0124	3.4600e-003	4.6000e-004	3.9200e-003	0.0000	34.3745	34.3745	7.3000e-004	5.0200e-003	35.8887
Worker	0.0192	0.0118	0.1705	5.5000e-004	0.0727	3.1000e-004	0.0730	0.0193	2.9000e-004	0.0196	0.0000	52.1887	52.1887	1.2100e-003	1.2800e-003	52.5990
Total	0.0210	0.0919	0.1948	9.0000e-004	0.0846	7.9000e-004	0.0854	0.0228	7.5000e-004	0.0235	0.0000	86.5632	86.5632	1.9400e-003	6.3000e-003	88.4877

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3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8657					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4200e-003	0.0229	0.0362	6.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	5.1065	5.1065	2.8000e-004	0.0000	5.1135
Total	0.8692	0.0229	0.0362	6.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	5.1065	5.1065	2.8000e-004	0.0000	5.1135

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0200e-003	6.5000e-004	9.0400e-003	3.0000e-005	3.6500e-003	2.0000e-005	3.6600e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	2.6796	2.6796	7.0000e-005	7.0000e-005	2.7014
Total	1.0200e-003	6.5000e-004	9.0400e-003	3.0000e-005	3.6500e-003	2.0000e-005	3.6600e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	2.6796	2.6796	7.0000e-005	7.0000e-005	2.7014

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3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8657					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4200e-003	0.0229	0.0362	6.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	5.1065	5.1065	2.8000e-004	0.0000	5.1135
Total	0.8692	0.0229	0.0362	6.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	5.1065	5.1065	2.8000e-004	0.0000	5.1135

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0200e-003	6.5000e-004	9.0400e-003	3.0000e-005	3.6500e-003	2.0000e-005	3.6600e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	2.6796	2.6796	7.0000e-005	7.0000e-005	2.7014
Total	1.0200e-003	6.5000e-004	9.0400e-003	3.0000e-005	3.6500e-003	2.0000e-005	3.6600e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	2.6796	2.6796	7.0000e-005	7.0000e-005	2.7014

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3.7 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2500e-003	0.0781	0.1226	1.9000e-004		3.6800e-003	3.6800e-003		3.4000e-003	3.4000e-003	0.0000	16.2886	16.2886	5.1600e-003	0.0000	16.4176
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.2500e-003	0.0781	0.1226	1.9000e-004		3.6800e-003	3.6800e-003		3.4000e-003	3.4000e-003	0.0000	16.2886	16.2886	5.1600e-003	0.0000	16.4176

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.0000e-004	2.9300e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2500e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.8970	0.8970	2.0000e-005	2.0000e-005	0.9040
Total	3.3000e-004	2.0000e-004	2.9300e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2500e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.8970	0.8970	2.0000e-005	2.0000e-005	0.9040

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3.7 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	8.2500e-003	0.0781	0.1226	1.9000e-004		3.6800e-003	3.6800e-003		3.4000e-003	3.4000e-003	0.0000	16.2886	16.2886	5.1600e-003	0.0000	16.4176
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.2500e-003	0.0781	0.1226	1.9000e-004		3.6800e-003	3.6800e-003		3.4000e-003	3.4000e-003	0.0000	16.2886	16.2886	5.1600e-003	0.0000	16.4176

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.0000e-004	2.9300e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2500e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.8970	0.8970	2.0000e-005	2.0000e-005	0.9040
Total	3.3000e-004	2.0000e-004	2.9300e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2500e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.8970	0.8970	2.0000e-005	2.0000e-005	0.9040

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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1929	0.1832	1.6598	3.1900e-003	0.3707	2.3400e-003	0.3730	0.0990	2.1800e-003	0.1011	0.0000	303.4549	303.4549	0.0216	0.0151	308.5039
Unmitigated	0.2222	0.2354	2.1235	4.4900e-003	0.5296	3.1700e-003	0.5327	0.1414	2.9500e-003	0.1443	0.0000	427.6073	427.6073	0.0262	0.0193	434.0133

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	620.49	620.49	620.49	1,433,088	1,003,162
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Total	620.49	620.49	620.49	1,433,088	1,003,162

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments High Rise	499086	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	230656	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments High Rise	499086	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	230656	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6531	0.0110	0.9579	5.0000e-005		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003	0.0000	1.5665	1.5665	1.5000e-003	0.0000	1.6041
Unmitigated	0.6531	0.0110	0.9579	5.0000e-005		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003	0.0000	1.5665	1.5665	1.5000e-003	0.0000	1.6041

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	0.0866					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5377					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0288	0.0110	0.9579	5.0000e-005		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003	0.0000	1.5665	1.5665	1.5000e-003	0.0000	1.6041
Total	0.6531	0.0110	0.9579	5.0000e-005		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003	0.0000	1.5665	1.5665	1.5000e-003	0.0000	1.6041

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0866					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5377					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0288	0.0110	0.9579	5.0000e-005		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003	0.0000	1.5665	1.5665	1.5000e-003	0.0000	1.6041
Total	0.6531	0.0110	0.9579	5.0000e-005		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003	0.0000	1.5665	1.5665	1.5000e-003	0.0000	1.6041

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.3789	8.1900e-003	5.1700e-003	4.1253
Unmitigated	2.9737	0.0102	6.4700e-003	5.1566

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	8.40487 / 5.29872	2.9737	0.0102	6.4700e-003	5.1566
City Park	0 / 0.357444	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		2.9737	0.0102	6.4700e-003	5.1566

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	6.7239 / 5.29872	2.3789	8.1900e-003	5.1700e-003	4.1253
City Park	0 / 0.357444	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		2.3789	8.1900e-003	5.1700e-003	4.1253

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	6.0258	0.3561	0.0000	14.9286
Unmitigated	12.0516	0.7122	0.0000	29.8573

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	59.34	12.0455	0.7119	0.0000	29.8422
City Park	0.03	6.0900e-003	3.6000e-004	0.0000	0.0151
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		12.0516	0.7122	0.0000	29.8573

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	29.67	6.0227	0.3559	0.0000	14.9211
City Park	0.015	3.0400e-003	1.8000e-004	0.0000	7.5400e-003
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		6.0258	0.3561	0.0000	14.9286

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
