

Appendix A

Air Quality and Greenhouse Gas Data and Modeling Results

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2550 Irving Street Project - Construction****Bay Area AQMD Air District, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	11.00	Space	0.00	4,708.00	0
Apartment Mid Rise	100.00	Dwelling Unit	0.40	114,660.00	286

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	5			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Project in San Francisco

Land Use - lot acreage-measured in google earth.
square feet-measured on ground floor plan. 16,380sf (footprint) X 7 (floors) = 114,660sf (total square feet)

Construction Phase - Applicant project schedule

Off-road Equipment - default equipment

Trips and VMT - Haul Truck Desintation to Livermore, CA (approximately 50 mile trip length)

Demolition - Demolish 18,561 square feet

Grading - Export approximatley 1,600 cubic yards

Architectural Coating - BAAQMD Reg 8 Rule 3 Section 301, nonfalt and traffic coatings 100 g/L

Vehicle Trips - default trip generation rate

Woodstoves - BAAQMD Reg 6 Rule 3 Section 306, assuming no woodstoves or hearths

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Area Coating - BAAQMD Reg 8 Rule 3 Section 301, nonfalt coatings 100 g/L

Energy Use - 100% electric development

Water And Wastewater - 100% aerobic, no spetic tanks or faculative lagoons at SF wastewater treatment plants

Construction Off-road Equipment Mitigation - San Francisco Building Code Section 106A.3.2.6.3, construction ordinance

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation - Rooftop solar sysem, 75 kW

Water Mitigation - 2016 CalGreen Title 24

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Residential_Interior	232,187.00	114,660.00
tblArchitecturalCoating	EF_Parking	150.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	100.00
tblAreaCoating	Area_EF_Parking	150	100
tblAreaCoating	Area_EF_Residential_Exterior	150	100
tblAreaMitigation	UseLowVOCPaintParkingValue	100	150
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	150
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	2.00	44.00
tblConstructionPhase	NumDays	100.00	436.00
tblConstructionPhase	NumDays	5.00	22.00
tblConstructionPhase	NumDays	5.00	23.00
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	NT24NG	2,615.00	0.00

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tblEnergyUse	T24NG	5,828.01	0.00
tblFireplaces	FireplaceDayYear	11.14	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberGas	15.00	0.00
tblFireplaces	NumberNoFireplace	4.00	0.00
tblFireplaces	NumberWood	17.00	0.00
tblGrading	MaterialExported	0.00	1,600.00
tblLandUse	LandUseSquareFeet	4,400.00	4,708.00
tblLandUse	LandUseSquareFeet	100,000.00	114,660.00
tblLandUse	LotAcreage	0.10	0.00
tblLandUse	LotAcreage	2.63	0.40
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
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	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	2.00	0.00
tblWoodstoves	NumberNoncatalytic	2.00	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					
2022	8.5300e-003	0.0877	0.0878	2.0000e-004	0.0118	3.8800e-003	0.0157	2.1000e-003	3.7100e-003	5.8100e-003	0.0000	18.5778	18.5778	2.3500e-003	1.0400e-003	18.9458
2023	0.0214	0.2555	0.1319	4.7000e-004	0.1226	9.5200e-003	0.1321	0.0581	8.7700e-003	0.0668	0.0000	42.8864	42.8864	9.3200e-003	2.3400e-003	43.8159
2024	0.5704	1.0400	1.3884	2.9100e-003	0.1038	0.0456	0.1494	0.0279	0.0420	0.0699	0.0000	263.2572	263.2572	0.0533	6.7900e-003	266.6122
2025	0.0521	0.4335	0.6190	1.2700e-003	0.0424	0.0178	0.0602	0.0114	0.0165	0.0278	0.0000	114.2822	114.2822	0.0242	2.6400e-003	115.6737
Maximum	0.5704	1.0400	1.3884	2.9100e-003	0.1226	0.0456	0.1494	0.0581	0.0420	0.0699	0.0000	263.2572	263.2572	0.0533	6.7900e-003	266.6122

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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
Year	tons/yr										MT/yr					
2022	8.5300e-003	0.0877	0.0878	2.0000e-004	6.7500e-003	3.8800e-003	0.0106	1.3400e-003	3.7100e-003	5.0500e-003	0.0000	18.5778	18.5778	2.3500e-003	1.0400e-003	18.9458
2023	0.0214	0.2555	0.1319	4.7000e-004	0.0582	9.5200e-003	0.0678	0.0270	8.7700e-003	0.0357	0.0000	42.8863	42.8863	9.3200e-003	2.3400e-003	43.8159
2024	0.5704	1.0400	1.3884	2.9100e-003	0.1038	0.0456	0.1494	0.0279	0.0420	0.0699	0.0000	263.2570	263.2570	0.0533	6.7900e-003	266.6120
2025	0.0521	0.4335	0.6190	1.2700e-003	0.0424	0.0178	0.0602	0.0114	0.0165	0.0278	0.0000	114.2822	114.2822	0.0242	2.6400e-003	115.6736
Maximum	0.5704	1.0400	1.3884	2.9100e-003	0.1038	0.0456	0.1494	0.0279	0.0420	0.0699	0.0000	263.2570	263.2570	0.0533	6.7900e-003	266.6120

	ROG	NOx	CO	SO2	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	24.73	0.00	19.41	32.04	0.00	18.69	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-3-2022	4-2-2022	0.0940	0.0940
5	1-3-2023	4-2-2023	0.0107	0.0107
6	4-3-2023	7-2-2023	0.2685	0.2685
9	1-3-2024	4-2-2024	0.2885	0.2885
10	4-3-2024	7-2-2024	0.2863	0.2863
11	7-3-2024	10-2-2024	0.7393	0.7393
12	10-3-2024	1-2-2025	0.2960	0.2960
13	1-3-2025	4-2-2025	0.3232	0.3232

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14	4-3-2025	7-2-2025	0.1512	0.1512
		Highest	0.7393	0.7393

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	0.5422	8.5500e-003	0.7419	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2421
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	38.2451	38.2451	6.1900e-003	7.5000e-004	38.6233
Mobile	0.2064	0.2291	1.9173	3.9800e-003	0.4403	2.9500e-003	0.4432	0.1176	2.7500e-003	0.1204	0.0000	376.2688	376.2688	0.0245	0.0180	382.2435
Waste						0.0000	0.0000		0.0000	0.0000	9.3376	0.0000	9.3376	0.5518	0.0000	23.1335
Water						0.0000	0.0000		0.0000	0.0000	2.3052	4.5921	6.8972	8.6800e-003	5.1000e-003	8.6349
Total	0.7486	0.2376	2.6592	4.0200e-003	0.4403	7.0700e-003	0.4473	0.1176	6.8700e-003	0.1245	11.6427	420.3190	431.9618	0.5923	0.0239	453.8772

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5422	8.5500e-003	0.7419	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2421
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	38.2381	38.2381	6.1900e-003	7.5000e-004	38.6162
Mobile	0.2064	0.2291	1.9173	3.9800e-003	0.4403	2.9500e-003	0.4432	0.1176	2.7500e-003	0.1204	0.0000	376.2688	376.2688	0.0245	0.0180	382.2435
Waste						0.0000	0.0000		0.0000	0.0000	9.3376	0.0000	9.3376	0.5518	0.0000	23.1335
Water						0.0000	0.0000		0.0000	0.0000	1.8441	3.9397	5.7838	6.9800e-003	4.0900e-003	7.1765
Total	0.7486	0.2376	2.6592	4.0200e-003	0.4403	7.0700e-003	0.4473	0.1176	6.8700e-003	0.1245	11.1817	419.6597	430.8414	0.5906	0.0228	452.4119

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.96	0.16	0.26	0.29	4.23	0.32

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	1/27/2022	6	22	
2	Site Prep/Grading	Grading	4/1/2023	5/22/2023	6	44	
3	Building Construction	Building Construction	1/3/2024	5/24/2025	6	436	

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4	Architectural Coating	Architectural Coating	9/2/2024	9/26/2024	6	22
5	Paving	Paving	1/1/2025	1/27/2025	6	23

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 33****Acres of Paving: 0****Residential Indoor: 114,660; Residential Outdoor: 77,396; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 282 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Prep/Grading	Graders	1	6.00	187	0.41
Site Prep/Grading	Rubber Tired Dozers	1	6.00	247	0.40
Site Prep/Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	84.00	10.80	7.30	50.00	LD_Mix	HDT_Mix	HHDT
Site Prep/Grading	3	8.00	0.00	200.00	10.80	7.30	50.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	74.00	11.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.1400e-003	0.0000	9.1400e-003	1.3800e-003	0.0000	1.3800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.8000e-003	0.0706	0.0822	1.3000e-004		3.7100e-003	3.7100e-003		3.5500e-003	3.5500e-003	0.0000	11.4550	11.4550	2.1100e-003	0.0000	11.5078
Total	7.8000e-003	0.0706	0.0822	1.3000e-004	9.1400e-003	3.7100e-003	0.0129	1.3800e-003	3.5500e-003	4.9300e-003	0.0000	11.4550	11.4550	2.1100e-003	0.0000	11.5078

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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 - 2022****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3000e-004	0.0169	3.0100e-003	7.0000e-005	1.7700e-003	1.6000e-004	1.9400e-003	4.9000e-004	1.5000e-004	6.4000e-004	0.0000	6.4238	6.4238	2.1000e-004	1.0200e-003	6.7324
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.2000e-004	2.6300e-003	1.0000e-005	8.7000e-004	0.0000	8.7000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6991	0.6991	2.0000e-005	2.0000e-005	0.7056
Total	7.3000e-004	0.0171	5.6400e-003	8.0000e-005	2.6400e-003	1.6000e-004	2.8100e-003	7.2000e-004	1.5000e-004	8.8000e-004	0.0000	7.1229	7.1229	2.3000e-004	1.0400e-003	7.4380

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.1100e-003	0.0000	4.1100e-003	6.2000e-004	0.0000	6.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.8000e-003	0.0706	0.0822	1.3000e-004		3.7100e-003	3.7100e-003		3.5500e-003	3.5500e-003	0.0000	11.4549	11.4549	2.1100e-003	0.0000	11.5078
Total	7.8000e-003	0.0706	0.0822	1.3000e-004	4.1100e-003	3.7100e-003	7.8200e-003	6.2000e-004	3.5500e-003	4.1700e-003	0.0000	11.4549	11.4549	2.1100e-003	0.0000	11.5078

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3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3000e-004	0.0169	3.0100e-003	7.0000e-005	1.7700e-003	1.6000e-004	1.9400e-003	4.9000e-004	1.5000e-004	6.4000e-004	0.0000	6.4238	6.4238	2.1000e-004	1.0200e-003	6.7324
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.2000e-004	2.6300e-003	1.0000e-005	8.7000e-004	0.0000	8.7000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6991	0.6991	2.0000e-005	2.0000e-005	0.7056
Total	7.3000e-004	0.0171	5.6400e-003	8.0000e-005	2.6400e-003	1.6000e-004	2.8100e-003	7.2000e-004	1.5000e-004	8.8000e-004	0.0000	7.1229	7.1229	2.3000e-004	1.0400e-003	7.4380

3.3 Site Prep/Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1170	0.0000	0.1170	0.0565	0.0000	0.0565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0205	0.2239	0.1221	3.1000e-004		9.2400e-003	9.2400e-003		8.5000e-003	8.5000e-003	0.0000	27.2382	27.2382	8.8100e-003	0.0000	27.4584
Total	0.0205	0.2239	0.1221	3.1000e-004	0.1170	9.2400e-003	0.1262	0.0565	8.5000e-003	0.0650	0.0000	27.2382	27.2382	8.8100e-003	0.0000	27.4584

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3.3 Site Prep/Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.8000e-004	0.0313	5.8700e-003	1.5000e-004	4.2200e-003	2.7000e-004	4.5000e-003	1.1600e-003	2.6000e-004	1.4200e-003	0.0000	14.5582	14.5582	4.8000e-004	2.3100e-003	15.2578
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.1000e-004	3.9000e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.0900	1.0900	3.0000e-005	3.0000e-005	1.0997
Total	8.3000e-004	0.0316	9.7700e-003	1.6000e-004	5.6100e-003	2.8000e-004	5.9000e-003	1.5300e-003	2.7000e-004	1.8000e-003	0.0000	15.6482	15.6482	5.1000e-004	2.3400e-003	16.3575

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0526	0.0000	0.0526	0.0254	0.0000	0.0254	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0205	0.2239	0.1221	3.1000e-004		9.2400e-003	9.2400e-003		8.5000e-003	8.5000e-003	0.0000	27.2382	27.2382	8.8100e-003	0.0000	27.4584
Total	0.0205	0.2239	0.1221	3.1000e-004	0.0526	9.2400e-003	0.0619	0.0254	8.5000e-003	0.0339	0.0000	27.2382	27.2382	8.8100e-003	0.0000	27.4584

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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 Prep/Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.8000e-004	0.0313	5.8700e-003	1.5000e-004	4.2200e-003	2.7000e-004	4.5000e-003	1.1600e-003	2.6000e-004	1.4200e-003	0.0000	14.5582	14.5582	4.8000e-004	2.3100e-003	15.2578
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.1000e-004	3.9000e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.0900	1.0900	3.0000e-005	3.0000e-005	1.0997
Total	8.3000e-004	0.0316	9.7700e-003	1.6000e-004	5.6100e-003	2.8000e-004	5.9000e-003	1.5300e-003	2.7000e-004	1.8000e-003	0.0000	15.6482	15.6482	5.1000e-004	2.3400e-003	16.3575

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0928	0.9319	1.1025	1.7800e-003		0.0441	0.0441		0.0405	0.0405	0.0000	156.3782	156.3782	0.0506	0.0000	157.6426
Total	0.0928	0.9319	1.1025	1.7800e-003		0.0441	0.0441		0.0405	0.0405	0.0000	156.3782	156.3782	0.0506	0.0000	157.6426

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7800e-003	0.0763	0.0234	3.4000e-004	0.0113	4.5000e-004	0.0117	3.2600e-003	4.3000e-004	3.6900e-003	0.0000	33.3452	33.3452	6.9000e-004	4.9300e-003	34.8321
Worker	0.0277	0.0181	0.2392	7.5000e-004	0.0912	4.5000e-004	0.0917	0.0243	4.1000e-004	0.0247	0.0000	69.7286	69.7286	1.8600e-003	1.8300e-003	70.3199
Total	0.0294	0.0944	0.2625	1.0900e-003	0.1025	9.0000e-004	0.1034	0.0275	8.4000e-004	0.0284	0.0000	103.0738	103.0738	2.5500e-003	6.7600e-003	105.1520

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0928	0.9319	1.1025	1.7800e-003		0.0441	0.0441		0.0405	0.0405	0.0000	156.3780	156.3780	0.0506	0.0000	157.6424
Total	0.0928	0.9319	1.1025	1.7800e-003		0.0441	0.0441		0.0405	0.0405	0.0000	156.3780	156.3780	0.0506	0.0000	157.6424

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7800e-003	0.0763	0.0234	3.4000e-004	0.0113	4.5000e-004	0.0117	3.2600e-003	4.3000e-004	3.6900e-003	0.0000	33.3452	33.3452	6.9000e-004	4.9300e-003	34.8321
Worker	0.0277	0.0181	0.2392	7.5000e-004	0.0912	4.5000e-004	0.0917	0.0243	4.1000e-004	0.0247	0.0000	69.7286	69.7286	1.8600e-003	1.8300e-003	70.3199
Total	0.0294	0.0944	0.2625	1.0900e-003	0.1025	9.0000e-004	0.1034	0.0275	8.4000e-004	0.0284	0.0000	103.0738	103.0738	2.5500e-003	6.7600e-003	105.1520

3.4 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	0.0342	0.3399	0.4358	7.1000e-004		0.0150	0.0150		0.0138	0.0138	0.0000	62.1834	62.1834	0.0201	0.0000	62.6861
Total	0.0342	0.3399	0.4358	7.1000e-004		0.0150	0.0150		0.0138	0.0138	0.0000	62.1834	62.1834	0.0201	0.0000	62.6861

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2025****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.9000e-004	0.0302	9.1200e-003	1.3000e-004	4.4800e-003	1.8000e-004	4.6500e-003	1.2900e-003	1.7000e-004	1.4700e-003	0.0000	13.0169	13.0169	2.7000e-004	1.9200e-003	13.5972
Worker	0.0103	6.4600e-003	0.0893	2.9000e-004	0.0363	1.7000e-004	0.0364	9.6400e-003	1.6000e-004	9.8000e-003	0.0000	27.0505	27.0505	6.7000e-004	6.8000e-004	27.2703
Total	0.0110	0.0367	0.0984	4.2000e-004	0.0407	3.5000e-004	0.0411	0.0109	3.3000e-004	0.0113	0.0000	40.0674	40.0674	9.4000e-004	2.6000e-003	40.8674

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0342	0.3399	0.4358	7.1000e-004		0.0150	0.0150		0.0138	0.0138	0.0000	62.1833	62.1833	0.0201	0.0000	62.6861
Total	0.0342	0.3399	0.4358	7.1000e-004		0.0150	0.0150		0.0138	0.0138	0.0000	62.1833	62.1833	0.0201	0.0000	62.6861

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2025****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.9000e-004	0.0302	9.1200e-003	1.3000e-004	4.4800e-003	1.8000e-004	4.6500e-003	1.2900e-003	1.7000e-004	1.4700e-003	0.0000	13.0169	13.0169	2.7000e-004	1.9200e-003	13.5972
Worker	0.0103	6.4600e-003	0.0893	2.9000e-004	0.0363	1.7000e-004	0.0364	9.6400e-003	1.6000e-004	9.8000e-003	0.0000	27.0505	27.0505	6.7000e-004	6.8000e-004	27.2703
Total	0.0110	0.0367	0.0984	4.2000e-004	0.0407	3.5000e-004	0.0411	0.0109	3.3000e-004	0.0113	0.0000	40.0674	40.0674	9.4000e-004	2.6000e-003	40.8674

3.5 Architectural Coating - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4457					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9900e-003	0.0134	0.0199	3.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	2.8086	2.8086	1.6000e-004	0.0000	2.8125
Total	0.4477	0.0134	0.0199	3.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	2.8086	2.8086	1.6000e-004	0.0000	2.8125

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Architectural Coating - 2024****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.6000e-004	3.4200e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9966	0.9966	3.0000e-005	3.0000e-005	1.0051
Total	4.0000e-004	2.6000e-004	3.4200e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9966	0.9966	3.0000e-005	3.0000e-005	1.0051

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4457					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9900e-003	0.0134	0.0199	3.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	2.8086	2.8086	1.6000e-004	0.0000	2.8125
Total	0.4477	0.0134	0.0199	3.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	2.8086	2.8086	1.6000e-004	0.0000	2.8125

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

3.5 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.6000e-004	3.4200e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9966	0.9966	3.0000e-005	3.0000e-005	1.0051
Total	4.0000e-004	2.6000e-004	3.4200e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9966	0.9966	3.0000e-005	3.0000e-005	1.0051

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4800e-003	0.0566	0.0808	1.3000e-004		2.5100e-003	2.5100e-003		2.3500e-003	2.3500e-003	0.0000	10.8110	10.8110	3.1500e-003	0.0000	10.8898
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.4800e-003	0.0566	0.0808	1.3000e-004		2.5100e-003	2.5100e-003		2.3500e-003	2.3500e-003	0.0000	10.8110	10.8110	3.1500e-003	0.0000	10.8898

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

3.6 Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	2.9000e-004	4.0300e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6400e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2205	1.2205	3.0000e-005	3.0000e-005	1.2304
Total	4.7000e-004	2.9000e-004	4.0300e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6400e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2205	1.2205	3.0000e-005	3.0000e-005	1.2304

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4800e-003	0.0566	0.0808	1.3000e-004		2.5100e-003	2.5100e-003		2.3500e-003	2.3500e-003	0.0000	10.8110	10.8110	3.1500e-003	0.0000	10.8898
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.4800e-003	0.0566	0.0808	1.3000e-004		2.5100e-003	2.5100e-003		2.3500e-003	2.3500e-003	0.0000	10.8110	10.8110	3.1500e-003	0.0000	10.8898

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Paving - 2025****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	2.9000e-004	4.0300e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6400e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2205	1.2205	3.0000e-005	3.0000e-005	1.2304
Total	4.7000e-004	2.9000e-004	4.0300e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6400e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2205	1.2205	3.0000e-005	3.0000e-005	1.2304

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2064	0.2291	1.9173	3.9800e-003	0.4403	2.9500e-003	0.4432	0.1176	2.7500e-003	0.1204	0.0000	376.2688	376.2688	0.0245	0.0180	382.2435
Unmitigated	0.2064	0.2291	1.9173	3.9800e-003	0.4403	2.9500e-003	0.4432	0.1176	2.7500e-003	0.1204	0.0000	376.2688	376.2688	0.0245	0.0180	382.2435

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	544.00	491.00	409.00	1,194,397	1,194,397
Enclosed Parking Structure	0.00	0.00	0.00		
Total	544.00	491.00	409.00	1,194,397	1,194,397

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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 Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
Enclosed Parking Structure	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820

5.0 Energy Detail

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

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

[illegible]

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

Unmitigated

[illegible]

Mitigated

[illegible]

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	388637	35.9582	5.8200e-003	7.1000e-004	36.3137
Enclosed Parking Structure	24717	2.2869	3.7000e-004	4.0000e-005	2.3095
Total		38.2451	6.1900e-003	7.5000e-004	38.6232

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	388600	35.9547	5.8200e-003	7.1000e-004	36.3102
Enclosed Parking Structure	24679.5	2.2834	3.7000e-004	4.0000e-005	2.3060
Total		38.2381	6.1900e-003	7.5000e-004	38.6162

6.0 Area Detail

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5422	8.5500e-003	0.7419	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2421
Unmitigated	0.5422	8.5500e-003	0.7419	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2421

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.2 Area by SubCategory****Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0718					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4481					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	0.0223	8.5500e-003	0.7419	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2421
Total	0.5422	8.5500e-003	0.7419	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2421

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0718					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4481					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	0.0223	8.5500e-003	0.7419	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2421
Total	0.5422	8.5500e-003	0.7419	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2421

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.7838	6.9800e-003	4.0900e-003	7.1765
Unmitigated	6.8972	8.6800e-003	5.1000e-003	8.6349

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	6.5154 / 4.10754	6.8972	8.6800e-003	5.1000e-003	8.6349
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		6.8972	8.6800e-003	5.1000e-003	8.6349

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	5.21232 / 4.10754	5.7838	6.9800e-003	4.0900e-003	7.1765
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		5.7838	6.9800e-003	4.0900e-003	7.1765

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

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	9.3376	0.5518	0.0000	23.1335
Unmitigated	9.3376	0.5518	0.0000	23.1335

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	46	9.3376	0.5518	0.0000	23.1335
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Total		9.3376	0.5518	0.0000	23.1335

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	46	9.3376	0.5518	0.0000	23.1335
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Total		9.3376	0.5518	0.0000	23.1335

9.0 Operational Offroad

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Annual

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

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2550 Irving Street Project - Construction****Bay Area AQMD Air District, Winter****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	11.00	Space	0.00	4,708.00	0
Apartment Mid Rise	100.00	Dwelling Unit	0.40	114,660.00	286

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	5			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Project in San Francisco

Land Use - lot acreage-measured in google earth.
square feet-measured on ground floor plan. 16,380sf (footprint) X 7 (floors) = 114,660sf (total square feet)

Construction Phase - Applicant project schedule

Off-road Equipment - default equipment

Trips and VMT - Haul Truck Desintation to Livermore, CA (approximately 50 mile trip length)

Demolition - Demolish 18,561 square feet

Grading - Export approximatley 1,600 cubic yards

Architectural Coating - BAAQMD Reg 8 Rule 3 Section 301, nonfalt and traffic coatings 100 g/L

Vehicle Trips - default trip generation rate

Woodstoves - BAAQMD Reg 6 Rule 3 Section 306, assuming no woodstoves or hearths

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Winter

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

Area Coating - BAAQMD Reg 8 Rule 3 Section 301, nonfalt coatings 100 g/L

Energy Use - 100% electric development

Water And Wastewater - 100% aerobic, no spetic tanks or faculative lagoons at SF wastewater treatment plants

Construction Off-road Equipment Mitigation - San Francisco Building Code Section 106A.3.2.6.3, construction ordinance

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation - Rooftop solar sysem, 75 kW

Water Mitigation - 2016 CalGreen Title 24

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Residential_Interior	232,187.00	114,660.00
tblArchitecturalCoating	EF_Parking	150.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	100.00
tblAreaCoating	Area_EF_Parking	150	100
tblAreaCoating	Area_EF_Residential_Exterior	150	100
tblAreaMitigation	UseLowVOCPaintParkingValue	100	150
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	150
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	2.00	44.00
tblConstructionPhase	NumDays	100.00	436.00
tblConstructionPhase	NumDays	5.00	22.00
tblConstructionPhase	NumDays	5.00	23.00
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	NT24NG	2,615.00	0.00

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Winter

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

tblEnergyUse	T24NG	5,828.01	0.00
tblFireplaces	FireplaceDayYear	11.14	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberGas	15.00	0.00
tblFireplaces	NumberNoFireplace	4.00	0.00
tblFireplaces	NumberWood	17.00	0.00
tblGrading	MaterialExported	0.00	1,600.00
tblLandUse	LandUseSquareFeet	4,400.00	4,708.00
tblLandUse	LandUseSquareFeet	100,000.00	114,660.00
tblLandUse	LotAcreage	0.10	0.00
tblLandUse	LotAcreage	2.63	0.40
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
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	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	2.00	0.00
tblWoodstoves	NumberNoncatalytic	2.00	0.00
tblWoodstoves	WoodstoveDayYear	14.12	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

2550 Irving Street Project - Construction - Bay Area AQMD Air District, 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					
2022	0.7779	7.9993	7.9909	0.0186	1.0795	0.3526	1.4321	0.1932	0.3370	0.5302	0.0000	1,861.173 5	1,861.173 5	0.2356	0.1041	1,898.091 8
2023	0.9726	11.6391	6.0024	0.0213	5.5804	0.4328	6.0132	2.6410	0.3986	3.0397	0.0000	2,148.549 3	2,148.549 3	0.4672	0.1172	2,195.161 0
2024	41.5407	7.8445	10.9361	0.0223	0.8056	0.3496	1.1552	0.2154	0.3266	0.5420	0.0000	2,210.086 2	2,210.086 2	0.3949	0.0514	2,235.276 2
2025	1.3513	11.0420	16.0553	0.0305	0.8303	0.4662	1.2965	0.2219	0.4325	0.6544	0.0000	2,966.608 2	2,966.608 2	0.6801	0.0503	2,998.584 5
Maximum	41.5407	11.6391	16.0553	0.0305	5.5804	0.4662	6.0132	2.6410	0.4325	3.0397	0.0000	2,966.608 2	2,966.608 2	0.6801	0.1172	2,998.584 5

2550 Irving Street Project - Construction - Bay Area AQMD Air District, 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)****Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.7779	7.9993	7.9909	0.0186	0.6227	0.3526	0.9753	0.1241	0.3370	0.4610	0.0000	1,861.173 5	1,861.173 5	0.2356	0.1041	1,898.091 8
2023	0.9726	11.6391	6.0024	0.0213	2.6566	0.4328	3.0894	1.2280	0.3986	1.6266	0.0000	2,148.549 3	2,148.549 3	0.4672	0.1172	2,195.161 0
2024	41.5407	7.8445	10.9361	0.0223	0.8056	0.3496	1.1552	0.2154	0.3266	0.5420	0.0000	2,210.086 2	2,210.086 2	0.3949	0.0514	2,235.276 2
2025	1.3513	11.0420	16.0553	0.0305	0.8303	0.4662	1.2965	0.2219	0.4325	0.6544	0.0000	2,966.608 2	2,966.608 2	0.6801	0.0503	2,998.584 5
Maximum	41.5407	11.6391	16.0553	0.0305	2.6566	0.4662	3.0894	1.2280	0.4325	1.6266	0.0000	2,966.608 2	2,966.608 2	0.6801	0.1172	2,998.584 5

	ROG	NOx	CO	SO2	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	40.75	0.00	34.16	45.31	0.00	31.10	0.00	0.00	0.00	0.00	0.00	0.00

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.0965	0.0950	8.2434	4.4000e-004		0.0457	0.0457		0.0457	0.0457	0.0000	14.8576	14.8576	0.0142	0.0000	15.2134
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	1.1937	1.4001	11.8339	0.0229	2.6446	0.0171	2.6617	0.7044	0.0159	0.7203		2,386.0963	2,386.0963	0.1652	0.1192	2,425.7453
Total	4.2901	1.4950	20.0773	0.0233	2.6446	0.0628	2.7074	0.7044	0.0616	0.7660	0.0000	2,400.9539	2,400.9539	0.1794	0.1192	2,440.9587

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	3.0965	0.0950	8.2434	4.4000e-004		0.0457	0.0457		0.0457	0.0457	0.0000	14.8576	14.8576	0.0142	0.0000	15.2134
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	1.1937	1.4001	11.8339	0.0229	2.6446	0.0171	2.6617	0.7044	0.0159	0.7203		2,386.0963	2,386.0963	0.1652	0.1192	2,425.7453
Total	4.2901	1.4950	20.0773	0.0233	2.6446	0.0628	2.7074	0.7044	0.0616	0.7660	0.0000	2,400.9539	2,400.9539	0.1794	0.1192	2,440.9587

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Winter

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

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	1/27/2022	6	22	
2	Site Prep/Grading	Grading	4/1/2023	5/22/2023	6	44	
3	Building Construction	Building Construction	1/3/2024	5/24/2025	6	436	
4	Architectural Coating	Architectural Coating	9/2/2024	9/26/2024	6	22	
5	Paving	Paving	1/1/2025	1/27/2025	6	23	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 33****Acres of Paving: 0****Residential Indoor: 114,660; Residential Outdoor: 77,396; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 282 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Prep/Grading	Graders	1	6.00	187	0.41
Site Prep/Grading	Rubber Tired Dozers	1	6.00	247	0.40
Site Prep/Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Winter

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

Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	84.00	10.80	7.30	50.00	LD_Mix	HDT_Mix	HHDT
Site Prep/Grading	3	8.00	0.00	200.00	10.80	7.30	50.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	74.00	11.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Demolition - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8305	0.0000	0.8305	0.1257	0.0000	0.1257			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.8305	0.3375	1.1680	0.1257	0.3225	0.4483		1,147.9025	1,147.9025	0.2119		1,153.2001

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0388	1.5638	0.2750	5.9100e-003	0.1668	0.0147	0.1815	0.0457	0.0140	0.0597		643.7804	643.7804	0.0213	0.1020	674.7032
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0297	0.0217	0.2466	6.8000e-004	0.0822	4.3000e-004	0.0826	0.0218	4.0000e-004	0.0222		69.4905	69.4905	2.3100e-003	2.1500e-003	70.1885
Total	0.0685	1.5854	0.5216	6.5900e-003	0.2490	0.0151	0.2641	0.0675	0.0144	0.0819		713.2710	713.2710	0.0237	0.1041	744.8917

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Demolition - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3737	0.0000	0.3737	0.0566	0.0000	0.0566			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.3737	0.3375	0.7112	0.0566	0.3225	0.3791	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0388	1.5638	0.2750	5.9100e-003	0.1668	0.0147	0.1815	0.0457	0.0140	0.0597		643.7804	643.7804	0.0213	0.1020	674.7032
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0297	0.0217	0.2466	6.8000e-004	0.0822	4.3000e-004	0.0826	0.0218	4.0000e-004	0.0222		69.4905	69.4905	2.3100e-003	2.1500e-003	70.1885
Total	0.0685	1.5854	0.5216	6.5900e-003	0.2490	0.0151	0.2641	0.0675	0.0144	0.0819		713.2710	713.2710	0.0237	0.1041	744.8917

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Site Prep/Grading - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.3161	0.0000	5.3161	2.5692	0.0000	2.5692			0.0000			0.0000
Off-Road	0.9335	10.1789	5.5516	0.0141		0.4201	0.4201		0.3865	0.3865		1,364.771 3	1,364.771 3	0.4414		1,375.806 2
Total	0.9335	10.1789	5.5516	0.0141	5.3161	0.4201	5.7361	2.5692	0.3865	2.9557		1,364.771 3	1,364.771 3	0.4414		1,375.806 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0169	1.4449	0.2676	6.6900e-003	0.1986	0.0124	0.2110	0.0544	0.0119	0.0663		729.6033	729.6033	0.0241	0.1156	764.6639
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0222	0.0153	0.1832	5.3000e-004	0.0657	3.3000e-004	0.0660	0.0174	3.0000e-004	0.0177		54.1746	54.1746	1.6700e-003	1.5900e-003	54.6909
Total	0.0391	1.4602	0.4508	7.2200e-003	0.2643	0.0127	0.2770	0.0719	0.0122	0.0840		783.7780	783.7780	0.0258	0.1172	819.3548

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Winter

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

3.3 Site Prep/Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3922	0.0000	2.3922	1.1561	0.0000	1.1561			0.0000			0.0000
Off-Road	0.9335	10.1789	5.5516	0.0141		0.4201	0.4201		0.3865	0.3865	0.0000	1,364.771 3	1,364.771 3	0.4414		1,375.806 2
Total	0.9335	10.1789	5.5516	0.0141	2.3922	0.4201	2.8123	1.1561	0.3865	1.5426	0.0000	1,364.771 3	1,364.771 3	0.4414		1,375.806 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0169	1.4449	0.2676	6.6900e-003	0.1986	0.0124	0.2110	0.0544	0.0119	0.0663		729.6033	729.6033	0.0241	0.1156	764.6639
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0222	0.0153	0.1832	5.3000e-004	0.0657	3.3000e-004	0.0660	0.0174	3.0000e-004	0.0177		54.1746	54.1746	1.6700e-003	1.5900e-003	54.6909
Total	0.0391	1.4602	0.4508	7.2200e-003	0.2643	0.0127	0.2770	0.0719	0.0122	0.0840		783.7780	783.7780	0.0258	0.1172	819.3548

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5950	5.9739	7.0675	0.0114		0.2824	0.2824		0.2598	0.2598		1,104.983 4	1,104.983 4	0.3574		1,113.917 7
Total	0.5950	5.9739	7.0675	0.0114		0.2824	0.2824		0.2598	0.2598		1,104.983 4	1,104.983 4	0.3574		1,113.917 7

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0112	0.4995	0.1526	2.2000e-003	0.0745	2.8900e-003	0.0774	0.0215	2.7700e-003	0.0242		235.8211	235.8211	4.8400e-003	0.0349	246.3402
Worker	0.1925	0.1266	1.5847	4.7400e-003	0.6079	2.8700e-003	0.6108	0.1612	2.6400e-003	0.1639		488.7606	488.7606	0.0140	0.0137	493.2008
Total	0.2037	0.6261	1.7372	6.9400e-003	0.6824	5.7600e-003	0.6882	0.1827	5.4100e-003	0.1881		724.5816	724.5816	0.0189	0.0486	739.5410

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5950	5.9739	7.0675	0.0114		0.2824	0.2824		0.2598	0.2598	0.0000	1,104.983 4	1,104.983 4	0.3574		1,113.917 7
Total	0.5950	5.9739	7.0675	0.0114		0.2824	0.2824		0.2598	0.2598	0.0000	1,104.983 4	1,104.983 4	0.3574		1,113.917 7

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0112	0.4995	0.1526	2.2000e-003	0.0745	2.8900e-003	0.0774	0.0215	2.7700e-003	0.0242		235.8211	235.8211	4.8400e-003	0.0349	246.3402
Worker	0.1925	0.1266	1.5847	4.7400e-003	0.6079	2.8700e-003	0.6108	0.1612	2.6400e-003	0.1639		488.7606	488.7606	0.0140	0.0137	493.2008
Total	0.2037	0.6261	1.7372	6.9400e-003	0.6824	5.7600e-003	0.6882	0.1827	5.4100e-003	0.1881		724.5816	724.5816	0.0189	0.0486	739.5410

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 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	0.5510	5.4820	7.0282	0.0114		0.2413	0.2413		0.2220	0.2220		1,105.571 1	1,105.571 1	0.3576		1,114.510 2
Total	0.5510	5.4820	7.0282	0.0114		0.2413	0.2413		0.2220	0.2220		1,105.571 1	1,105.571 1	0.3576		1,114.510 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0109	0.4976	0.1499	2.1600e-003	0.0745	2.8900e-003	0.0774	0.0215	2.7600e-003	0.0242		231.6309	231.6309	4.8100e-003	0.0343	241.9598
Worker	0.1815	0.1141	1.4893	4.5800e-003	0.6079	2.7500e-003	0.6106	0.1612	2.5300e-003	0.1638		477.0870	477.0870	0.0128	0.0129	481.2386
Total	0.1924	0.6117	1.6392	6.7400e-003	0.6824	5.6400e-003	0.6880	0.1827	5.2900e-003	0.1880		708.7179	708.7179	0.0176	0.0471	723.1984

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 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	0.5510	5.4820	7.0282	0.0114		0.2413	0.2413		0.2220	0.2220	0.0000	1,105.571 1	1,105.571 1	0.3576		1,114.510 2
Total	0.5510	5.4820	7.0282	0.0114		0.2413	0.2413		0.2220	0.2220	0.0000	1,105.571 1	1,105.571 1	0.3576		1,114.510 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0109	0.4976	0.1499	2.1600e-003	0.0745	2.8900e-003	0.0774	0.0215	2.7600e-003	0.0242		231.6309	231.6309	4.8100e-003	0.0343	241.9598
Worker	0.1815	0.1141	1.4893	4.5800e-003	0.6079	2.7500e-003	0.6106	0.1612	2.5300e-003	0.1638		477.0870	477.0870	0.0128	0.0129	481.2386
Total	0.1924	0.6117	1.6392	6.7400e-003	0.6824	5.6400e-003	0.6880	0.1827	5.2900e-003	0.1880		708.7179	708.7179	0.0176	0.0471	723.1984

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Architectural Coating - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	40.5221					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	40.7029	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0390	0.0257	0.3212	9.6000e-004	0.1232	5.8000e-004	0.1238	0.0327	5.4000e-004	0.0332		99.0731	99.0731	2.8400e-003	2.7800e-003	99.9731
Total	0.0390	0.0257	0.3212	9.6000e-004	0.1232	5.8000e-004	0.1238	0.0327	5.4000e-004	0.0332		99.0731	99.0731	2.8400e-003	2.7800e-003	99.9731

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Architectural Coating - 2024****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	40.5221					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	40.7029	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0390	0.0257	0.3212	9.6000e-004	0.1232	5.8000e-004	0.1238	0.0327	5.4000e-004	0.0332		99.0731	99.0731	2.8400e-003	2.7800e-003	99.9731
Total	0.0390	0.0257	0.3212	9.6000e-004	0.1232	5.8000e-004	0.1238	0.0327	5.4000e-004	0.0332		99.0731	99.0731	2.8400e-003	2.7800e-003	99.9731

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Paving - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5638	4.9206	7.0257	0.0113		0.2186	0.2186		0.2046	0.2046		1,036.271 1	1,036.271 1	0.3019		1,043.817 9
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5638	4.9206	7.0257	0.0113		0.2186	0.2186		0.2046	0.2046		1,036.271 1	1,036.271 1	0.3019		1,043.817 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0441	0.0278	0.3623	1.1100e-003	0.1479	6.7000e-004	0.1485	0.0392	6.2000e-004	0.0398		116.0482	116.0482	3.1000e-003	3.1300e-003	117.0580
Total	0.0441	0.0278	0.3623	1.1100e-003	0.1479	6.7000e-004	0.1485	0.0392	6.2000e-004	0.0398		116.0482	116.0482	3.1000e-003	3.1300e-003	117.0580

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Paving - 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	0.5638	4.9206	7.0257	0.0113		0.2186	0.2186		0.2046	0.2046	0.0000	1,036.271 1	1,036.271 1	0.3019		1,043.817 9
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5638	4.9206	7.0257	0.0113		0.2186	0.2186		0.2046	0.2046	0.0000	1,036.271 1	1,036.271 1	0.3019		1,043.817 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0441	0.0278	0.3623	1.1100e-003	0.1479	6.7000e-004	0.1485	0.0392	6.2000e-004	0.0398		116.0482	116.0482	3.1000e-003	3.1300e-003	117.0580
Total	0.0441	0.0278	0.3623	1.1100e-003	0.1479	6.7000e-004	0.1485	0.0392	6.2000e-004	0.0398		116.0482	116.0482	3.1000e-003	3.1300e-003	117.0580

2550 Irving Street Project - Construction - Bay Area AQMD Air District, 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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1937	1.4001	11.8339	0.0229	2.6446	0.0171	2.6617	0.7044	0.0159	0.7203		2,386.096 3	2,386.096 3	0.1652	0.1192	2,425.745 3
Unmitigated	1.1937	1.4001	11.8339	0.0229	2.6446	0.0171	2.6617	0.7044	0.0159	0.7203		2,386.096 3	2,386.096 3	0.1652	0.1192	2,425.745 3

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	544.00	491.00	409.00	1,194,397	1,194,397
Enclosed Parking Structure	0.00	0.00	0.00		
Total	544.00	491.00	409.00	1,194,397	1,194,397

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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 Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Winter

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
Enclosed Parking Structure	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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

2550 Irving Street Project - Construction - Bay Area AQMD Air District, 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

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid 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
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

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

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.0965	0.0950	8.2434	4.4000e-004		0.0457	0.0457		0.0457	0.0457	0.0000	14.8576	14.8576	0.0142	0.0000	15.2134
Unmitigated	3.0965	0.0950	8.2434	4.4000e-004		0.0457	0.0457		0.0457	0.0457	0.0000	14.8576	14.8576	0.0142	0.0000	15.2134

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.2 Area by SubCategory****Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3935					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.4554					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	0.2476	0.0950	8.2434	4.4000e-004		0.0457	0.0457		0.0457	0.0457		14.8576	14.8576	0.0142		15.2134
Total	3.0965	0.0950	8.2434	4.4000e-004		0.0457	0.0457		0.0457	0.0457	0.0000	14.8576	14.8576	0.0142	0.0000	15.2134

2550 Irving Street Project - Construction - Bay Area AQMD Air District, 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	0.3935					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.4554					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	0.2476	0.0950	8.2434	4.4000e-004		0.0457	0.0457		0.0457	0.0457		14.8576	14.8576	0.0142		15.2134
Total	3.0965	0.0950	8.2434	4.4000e-004		0.0457	0.0457		0.0457	0.0457	0.0000	14.8576	14.8576	0.0142	0.0000	15.2134

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

2550 Irving Street Project - Construction - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

Equipment Type	Number
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11.0 Vegetation

2550 Irving Street Project GHG 2030 - Bay Area AQMD Air District, Annual

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

2550 Irving Street Project GHG 2030

Bay Area AQMD Air District, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	11.00	Space	0.00	4,708.00	0
Apartment Mid Rise	100.00	Dwelling Unit	0.40	114,660.00	286

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	5			Operational Year	2030
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Project in San Francisco

Land Use - lot acreage-measured in google earth.
square feet-measured on ground floor plan. 16,380sf (footprint) X 7 (floors) = 114,660sf (total square feet)

Construction Phase - Applicant project schedule

Off-road Equipment - default equipment

Trips and VMT - Haul Truck Desintation to Livermore, CA (approximately 50 mile trip length)

Demolition - Demolish 18,561 square feet

Grading - Export approximatley 1,600 cubic yards

Architectural Coating - BAAQMD Reg 8 Rule 3 Section 301, nonfalt and traffic coatings 100 g/L

Vehicle Trips - default trip generation rate

Woodstoves - BAAQMD Reg 6 Rule 3 Section 306, assuming no woodstoves or hearths

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

Area Coating - BAAQMD Reg 8 Rule 3 Section 301, nonfalt coatings 100 g/L

Energy Use - 100% electric development

Water And Wastewater - 100% aerobic, no spetic tanks or faculative lagoons at SF wastewater treatment plants

Construction Off-road Equipment Mitigation - San Francisco Building Code Section 106A.3.2.6.3, construction ordinance

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation - Rooftop solar sysem, 75 kW

Water Mitigation - 2016 CalGreen Title 24

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	150.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	100.00
tblConstructionPhase	NumDays	5.00	22.00
tblConstructionPhase	NumDays	100.00	436.00
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	2.00	44.00
tblConstructionPhase	NumDays	5.00	23.00
tblEnergyUse	NT24NG	2,615.00	0.00
tblEnergyUse	T24NG	5,828.01	0.00
tblFireplaces	FireplaceDayYear	11.14	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberGas	15.00	0.00
tblFireplaces	NumberNoFireplace	4.00	0.00
tblFireplaces	NumberWood	17.00	0.00
tblGrading	MaterialExported	0.00	1,600.00
tblLandUse	LandUseSquareFeet	4,400.00	4,708.00
tblLandUse	LandUseSquareFeet	100,000.00	114,660.00

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

tblLandUse	LotAcreage	0.10	0.00
tblLandUse	LotAcreage	2.63	0.40
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
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	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	2.00	0.00
tblWoodstoves	NumberNoncatalytic	2.00	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					
2022	8.5300e-003	0.0877	0.0878	2.0000e-004	0.0118	3.8800e-003	0.0157	2.1000e-003	3.7100e-003	5.8100e-003	0.0000	18.5778	18.5778	2.3500e-003	1.0400e-003	18.9458
2023	0.0214	0.2555	0.1319	4.7000e-004	0.1226	9.5200e-003	0.1321	0.0581	8.7700e-003	0.0668	0.0000	42.8864	42.8864	9.3200e-003	2.3400e-003	43.8159
2024	0.8224	0.8689	1.1609	2.4300e-003	0.0867	0.0381	0.1248	0.0233	0.0352	0.0584	0.0000	220.0152	220.0152	0.0445	5.6600e-003	222.8131
2025	0.0711	0.5914	0.8429	1.7400e-003	0.0594	0.0243	0.0837	0.0160	0.0224	0.0383	0.0000	157.1616	157.1616	0.0331	3.7300e-003	159.0994
Maximum	0.8224	0.8689	1.1609	2.4300e-003	0.1226	0.0381	0.1321	0.0581	0.0352	0.0668	0.0000	220.0152	220.0152	0.0445	5.6600e-003	222.8131

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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****Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	8.5300e-003	0.0877	0.0878	2.0000e-004	6.7500e-003	3.8800e-003	0.0106	1.3400e-003	3.7100e-003	5.0500e-003	0.0000	18.5778	18.5778	2.3500e-003	1.0400e-003	18.9458
2023	0.0214	0.2555	0.1319	4.7000e-004	0.0582	9.5200e-003	0.0678	0.0270	8.7700e-003	0.0357	0.0000	42.8863	42.8863	9.3200e-003	2.3400e-003	43.8159
2024	0.8224	0.8689	1.1609	2.4300e-003	0.0867	0.0381	0.1248	0.0233	0.0352	0.0584	0.0000	220.0150	220.0150	0.0445	5.6600e-003	222.8130
2025	0.0711	0.5914	0.8429	1.7400e-003	0.0594	0.0243	0.0837	0.0160	0.0224	0.0383	0.0000	157.1615	157.1615	0.0331	3.7300e-003	159.0993
Maximum	0.8224	0.8689	1.1609	2.4300e-003	0.0867	0.0381	0.1248	0.0270	0.0352	0.0584	0.0000	220.0150	220.0150	0.0445	5.6600e-003	222.8130

	ROG	NOx	CO	SO2	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	24.73	0.00	19.47	32.04	0.00	18.80	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-3-2022	4-2-2022	0.0940	0.0940
5	1-3-2023	4-2-2023	0.0090	0.0090
6	4-3-2023	7-2-2023	0.2685	0.2685
9	1-3-2024	4-2-2024	0.2404	0.2404
10	4-3-2024	7-2-2024	0.2386	0.2386
11	7-3-2024	10-2-2024	0.9564	0.9564
12	10-3-2024	1-2-2025	0.2467	0.2467
13	1-3-2025	4-2-2025	0.2793	0.2793

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

14	4-3-2025	7-2-2025	0.2204	0.2204
15	7-3-2025	9-30-2025	0.1526	0.1526
		Highest	0.9564	0.9564

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	0.5511	8.5400e-003	0.7407	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2420
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	38.2451	38.2451	6.1900e-003	7.5000e-004	38.6233
Mobile	0.1736	0.1870	1.6602	3.5000e-003	0.4403	2.3300e-003	0.4427	0.1177	2.1700e-003	0.1198	0.0000	340.9043	340.9043	0.0207	0.0157	346.0851
Waste						0.0000	0.0000		0.0000	0.0000	9.3376	0.0000	9.3376	0.5518	0.0000	23.1335
Water						0.0000	0.0000		0.0000	0.0000	2.3052	4.5921	6.8972	8.6800e-003	5.1000e-003	8.6349
Total	0.7246	0.1955	2.4008	3.5400e-003	0.4403	6.4500e-003	0.4468	0.1177	6.2900e-003	0.1239	11.6427	384.9545	396.5973	0.5885	0.0215	417.7186

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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	0.5511	8.5400e-003	0.7407	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2420
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	38.2381	38.2381	6.1900e-003	7.5000e-004	38.6162
Mobile	0.1736	0.1870	1.6602	3.5000e-003	0.4403	2.3300e-003	0.4427	0.1177	2.1700e-003	0.1198	0.0000	340.9043	340.9043	0.0207	0.0157	346.0851
Waste						0.0000	0.0000		0.0000	0.0000	9.3376	0.0000	9.3376	0.5518	0.0000	23.1335
Water						0.0000	0.0000		0.0000	0.0000	1.8441	3.9397	5.7838	6.9800e-003	4.0900e-003	7.1765
Total	0.7246	0.1955	2.4008	3.5400e-003	0.4403	6.4500e-003	0.4468	0.1177	6.2900e-003	0.1239	11.1817	384.2952	395.4769	0.5868	0.0205	416.2533

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.96	0.17	0.28	0.29	4.70	0.35

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	2/1/2022	5	22	
2	Site Prep/Grading	Grading	4/1/2023	6/1/2023	5	44	
3	Building Construction	Building Construction	1/3/2024	9/3/2025	5	436	

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4	Architectural Coating	Architectural Coating	9/2/2024	10/1/2024	5	22
5	Paving	Paving	1/1/2025	2/1/2025	5	23

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 33****Acres of Paving: 0****Residential Indoor: 232,187; Residential Outdoor: 77,396; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 282 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Prep/Grading	Graders	1	6.00	187	0.41
Site Prep/Grading	Rubber Tired Dozers	1	6.00	247	0.40
Site Prep/Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	84.00	10.80	7.30	50.00	LD_Mix	HDT_Mix	HHDT
Site Prep/Grading	3	8.00	0.00	200.00	10.80	7.30	50.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	74.00	11.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.1400e-003	0.0000	9.1400e-003	1.3800e-003	0.0000	1.3800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.8000e-003	0.0706	0.0822	1.3000e-004		3.7100e-003	3.7100e-003		3.5500e-003	3.5500e-003	0.0000	11.4550	11.4550	2.1100e-003	0.0000	11.5078
Total	7.8000e-003	0.0706	0.0822	1.3000e-004	9.1400e-003	3.7100e-003	0.0129	1.3800e-003	3.5500e-003	4.9300e-003	0.0000	11.4550	11.4550	2.1100e-003	0.0000	11.5078

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3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3000e-004	0.0169	3.0100e-003	7.0000e-005	1.7700e-003	1.6000e-004	1.9400e-003	4.9000e-004	1.5000e-004	6.4000e-004	0.0000	6.4238	6.4238	2.1000e-004	1.0200e-003	6.7324
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.2000e-004	2.6300e-003	1.0000e-005	8.7000e-004	0.0000	8.7000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6991	0.6991	2.0000e-005	2.0000e-005	0.7056
Total	7.3000e-004	0.0171	5.6400e-003	8.0000e-005	2.6400e-003	1.6000e-004	2.8100e-003	7.2000e-004	1.5000e-004	8.8000e-004	0.0000	7.1229	7.1229	2.3000e-004	1.0400e-003	7.4380

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.1100e-003	0.0000	4.1100e-003	6.2000e-004	0.0000	6.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.8000e-003	0.0706	0.0822	1.3000e-004		3.7100e-003	3.7100e-003		3.5500e-003	3.5500e-003	0.0000	11.4549	11.4549	2.1100e-003	0.0000	11.5078
Total	7.8000e-003	0.0706	0.0822	1.3000e-004	4.1100e-003	3.7100e-003	7.8200e-003	6.2000e-004	3.5500e-003	4.1700e-003	0.0000	11.4549	11.4549	2.1100e-003	0.0000	11.5078

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3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3000e-004	0.0169	3.0100e-003	7.0000e-005	1.7700e-003	1.6000e-004	1.9400e-003	4.9000e-004	1.5000e-004	6.4000e-004	0.0000	6.4238	6.4238	2.1000e-004	1.0200e-003	6.7324
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.2000e-004	2.6300e-003	1.0000e-005	8.7000e-004	0.0000	8.7000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6991	0.6991	2.0000e-005	2.0000e-005	0.7056
Total	7.3000e-004	0.0171	5.6400e-003	8.0000e-005	2.6400e-003	1.6000e-004	2.8100e-003	7.2000e-004	1.5000e-004	8.8000e-004	0.0000	7.1229	7.1229	2.3000e-004	1.0400e-003	7.4380

3.3 Site Prep/Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1170	0.0000	0.1170	0.0565	0.0000	0.0565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0205	0.2239	0.1221	3.1000e-004		9.2400e-003	9.2400e-003		8.5000e-003	8.5000e-003	0.0000	27.2382	27.2382	8.8100e-003	0.0000	27.4584
Total	0.0205	0.2239	0.1221	3.1000e-004	0.1170	9.2400e-003	0.1262	0.0565	8.5000e-003	0.0650	0.0000	27.2382	27.2382	8.8100e-003	0.0000	27.4584

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3.3 Site Prep/Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.8000e-004	0.0313	5.8700e-003	1.5000e-004	4.2200e-003	2.7000e-004	4.5000e-003	1.1600e-003	2.6000e-004	1.4200e-003	0.0000	14.5582	14.5582	4.8000e-004	2.3100e-003	15.2578
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.1000e-004	3.9000e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.0900	1.0900	3.0000e-005	3.0000e-005	1.0997
Total	8.3000e-004	0.0316	9.7700e-003	1.6000e-004	5.6100e-003	2.8000e-004	5.9000e-003	1.5300e-003	2.7000e-004	1.8000e-003	0.0000	15.6482	15.6482	5.1000e-004	2.3400e-003	16.3575

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0526	0.0000	0.0526	0.0254	0.0000	0.0254	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0205	0.2239	0.1221	3.1000e-004		9.2400e-003	9.2400e-003		8.5000e-003	8.5000e-003	0.0000	27.2382	27.2382	8.8100e-003	0.0000	27.4584
Total	0.0205	0.2239	0.1221	3.1000e-004	0.0526	9.2400e-003	0.0619	0.0254	8.5000e-003	0.0339	0.0000	27.2382	27.2382	8.8100e-003	0.0000	27.4584

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3.3 Site Prep/Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.8000e-004	0.0313	5.8700e-003	1.5000e-004	4.2200e-003	2.7000e-004	4.5000e-003	1.1600e-003	2.6000e-004	1.4200e-003	0.0000	14.5582	14.5582	4.8000e-004	2.3100e-003	15.2578
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.1000e-004	3.9000e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.0900	1.0900	3.0000e-005	3.0000e-005	1.0997
Total	8.3000e-004	0.0316	9.7700e-003	1.6000e-004	5.6100e-003	2.8000e-004	5.9000e-003	1.5300e-003	2.7000e-004	1.8000e-003	0.0000	15.6482	15.6482	5.1000e-004	2.3400e-003	16.3575

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0774	0.7766	0.9188	1.4800e-003		0.0367	0.0367		0.0338	0.0338	0.0000	130.3151	130.3151	0.0422	0.0000	131.3688
Total	0.0774	0.7766	0.9188	1.4800e-003		0.0367	0.0367		0.0338	0.0338	0.0000	130.3151	130.3151	0.0422	0.0000	131.3688

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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					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4800e-003	0.0636	0.0195	2.9000e-004	9.3800e-003	3.8000e-004	9.7600e-003	2.7100e-003	3.6000e-004	3.0700e-003	0.0000	27.7877	27.7877	5.7000e-004	4.1100e-003	29.0268
Worker	0.0230	0.0151	0.1993	6.2000e-004	0.0760	3.7000e-004	0.0764	0.0202	3.4000e-004	0.0206	0.0000	58.1071	58.1071	1.5500e-003	1.5200e-003	58.5999
Total	0.0245	0.0787	0.2188	9.1000e-004	0.0854	7.5000e-004	0.0862	0.0229	7.0000e-004	0.0236	0.0000	85.8948	85.8948	2.1200e-003	5.6300e-003	87.6267

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0774	0.7766	0.9188	1.4800e-003		0.0367	0.0367		0.0338	0.0338	0.0000	130.3150	130.3150	0.0422	0.0000	131.3686
Total	0.0774	0.7766	0.9188	1.4800e-003		0.0367	0.0367		0.0338	0.0338	0.0000	130.3150	130.3150	0.0422	0.0000	131.3686

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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					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4800e-003	0.0636	0.0195	2.9000e-004	9.3800e-003	3.8000e-004	9.7600e-003	2.7100e-003	3.6000e-004	3.0700e-003	0.0000	27.7877	27.7877	5.7000e-004	4.1100e-003	29.0268
Worker	0.0230	0.0151	0.1993	6.2000e-004	0.0760	3.7000e-004	0.0764	0.0202	3.4000e-004	0.0206	0.0000	58.1071	58.1071	1.5500e-003	1.5200e-003	58.5999
Total	0.0245	0.0787	0.2188	9.1000e-004	0.0854	7.5000e-004	0.0862	0.0229	7.0000e-004	0.0236	0.0000	85.8948	85.8948	2.1200e-003	5.6300e-003	87.6267

3.4 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	0.0485	0.4824	0.6185	1.0000e-003		0.0212	0.0212		0.0195	0.0195	0.0000	88.2602	88.2602	0.0286	0.0000	88.9739
Total	0.0485	0.4824	0.6185	1.0000e-003		0.0212	0.0212		0.0195	0.0195	0.0000	88.2602	88.2602	0.0286	0.0000	88.9739

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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					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8000e-004	0.0429	0.0130	1.9000e-004	6.3500e-003	2.5000e-004	6.6100e-003	1.8400e-003	2.4000e-004	2.0800e-003	0.0000	18.4756	18.4756	3.9000e-004	2.7300e-003	19.2992
Worker	0.0147	9.1800e-003	0.1267	4.1000e-004	0.0515	2.4000e-004	0.0517	0.0137	2.2000e-004	0.0139	0.0000	38.3943	38.3943	9.6000e-004	9.7000e-004	38.7062
Total	0.0157	0.0521	0.1396	6.0000e-004	0.0578	4.9000e-004	0.0583	0.0155	4.6000e-004	0.0160	0.0000	56.8699	56.8699	1.3500e-003	3.7000e-003	58.0054

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0485	0.4824	0.6185	1.0000e-003		0.0212	0.0212		0.0195	0.0195	0.0000	88.2601	88.2601	0.0286	0.0000	88.9738
Total	0.0485	0.4824	0.6185	1.0000e-003		0.0212	0.0212		0.0195	0.0195	0.0000	88.2601	88.2601	0.0286	0.0000	88.9738

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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					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8000e-004	0.0429	0.0130	1.9000e-004	6.3500e-003	2.5000e-004	6.6100e-003	1.8400e-003	2.4000e-004	2.0800e-003	0.0000	18.4756	18.4756	3.9000e-004	2.7300e-003	19.2992
Worker	0.0147	9.1800e-003	0.1267	4.1000e-004	0.0515	2.4000e-004	0.0517	0.0137	2.2000e-004	0.0139	0.0000	38.3943	38.3943	9.6000e-004	9.7000e-004	38.7062
Total	0.0157	0.0521	0.1396	6.0000e-004	0.0578	4.9000e-004	0.0583	0.0155	4.6000e-004	0.0160	0.0000	56.8699	56.8699	1.3500e-003	3.7000e-003	58.0054

3.5 Architectural Coating - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7181					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9900e-003	0.0134	0.0199	3.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	2.8086	2.8086	1.6000e-004	0.0000	2.8125
Total	0.7201	0.0134	0.0199	3.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	2.8086	2.8086	1.6000e-004	0.0000	2.8125

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3.5 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.6000e-004	3.4200e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9966	0.9966	3.0000e-005	3.0000e-005	1.0051
Total	4.0000e-004	2.6000e-004	3.4200e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9966	0.9966	3.0000e-005	3.0000e-005	1.0051

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7181					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9900e-003	0.0134	0.0199	3.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	2.8086	2.8086	1.6000e-004	0.0000	2.8125
Total	0.7201	0.0134	0.0199	3.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	2.8086	2.8086	1.6000e-004	0.0000	2.8125

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3.5 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.6000e-004	3.4200e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9966	0.9966	3.0000e-005	3.0000e-005	1.0051
Total	4.0000e-004	2.6000e-004	3.4200e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9966	0.9966	3.0000e-005	3.0000e-005	1.0051

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4800e-003	0.0566	0.0808	1.3000e-004		2.5100e-003	2.5100e-003		2.3500e-003	2.3500e-003	0.0000	10.8110	10.8110	3.1500e-003	0.0000	10.8898
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.4800e-003	0.0566	0.0808	1.3000e-004		2.5100e-003	2.5100e-003		2.3500e-003	2.3500e-003	0.0000	10.8110	10.8110	3.1500e-003	0.0000	10.8898

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Paving - 2025****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	2.9000e-004	4.0300e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6400e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2205	1.2205	3.0000e-005	3.0000e-005	1.2304
Total	4.7000e-004	2.9000e-004	4.0300e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6400e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2205	1.2205	3.0000e-005	3.0000e-005	1.2304

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4800e-003	0.0566	0.0808	1.3000e-004		2.5100e-003	2.5100e-003		2.3500e-003	2.3500e-003	0.0000	10.8110	10.8110	3.1500e-003	0.0000	10.8898
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.4800e-003	0.0566	0.0808	1.3000e-004		2.5100e-003	2.5100e-003		2.3500e-003	2.3500e-003	0.0000	10.8110	10.8110	3.1500e-003	0.0000	10.8898

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Paving - 2025****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	2.9000e-004	4.0300e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6400e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2205	1.2205	3.0000e-005	3.0000e-005	1.2304
Total	4.7000e-004	2.9000e-004	4.0300e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6400e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2205	1.2205	3.0000e-005	3.0000e-005	1.2304

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1736	0.1870	1.6602	3.5000e-003	0.4403	2.3300e-003	0.4427	0.1177	2.1700e-003	0.1198	0.0000	340.9043	340.9043	0.0207	0.0157	346.0851
Unmitigated	0.1736	0.1870	1.6602	3.5000e-003	0.4403	2.3300e-003	0.4427	0.1177	2.1700e-003	0.1198	0.0000	340.9043	340.9043	0.0207	0.0157	346.0851

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	544.00	491.00	409.00	1,194,397	1,194,397
Enclosed Parking Structure	0.00	0.00	0.00		
Total	544.00	491.00	409.00	1,194,397	1,194,397

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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 Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.555148	0.059467	0.187500	0.120419	0.022094	0.005825	0.011277	0.007430	0.000952	0.000505	0.025870	0.000875	0.002638
Enclosed Parking Structure	0.555148	0.059467	0.187500	0.120419	0.022094	0.005825	0.011277	0.007430	0.000952	0.000505	0.025870	0.000875	0.002638

5.0 Energy Detail

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

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

[illegible]

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

Unmitigated

[illegible]

Mitigated

[illegible]

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	388637	35.9582	5.8200e-003	7.1000e-004	36.3137
Enclosed Parking Structure	24717	2.2869	3.7000e-004	4.0000e-005	2.3095
Total		38.2451	6.1900e-003	7.5000e-004	38.6232

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	388600	35.9547	5.8200e-003	7.1000e-004	36.3102
Enclosed Parking Structure	24679.5	2.2834	3.7000e-004	4.0000e-005	2.3060
Total		38.2381	6.1900e-003	7.5000e-004	38.6162

6.0 Area Detail

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5511	8.5400e-003	0.7407	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2420
Unmitigated	0.5511	8.5400e-003	0.7407	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2420

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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****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	0.0808					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4481					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	0.0222	8.5400e-003	0.7407	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2420
Total	0.5511	8.5400e-003	0.7407	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2420

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0808					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4481					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	0.0222	8.5400e-003	0.7407	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2420
Total	0.5511	8.5400e-003	0.7407	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2420

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.7838	6.9800e-003	4.0900e-003	7.1765
Unmitigated	6.8972	8.6800e-003	5.1000e-003	8.6349

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	6.5154 / 4.10754	6.8972	8.6800e-003	5.1000e-003	8.6349
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		6.8972	8.6800e-003	5.1000e-003	8.6349

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	5.21232 / 4.10754	5.7838	6.9800e-003	4.0900e-003	7.1765
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		5.7838	6.9800e-003	4.0900e-003	7.1765

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

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	9.3376	0.5518	0.0000	23.1335
Unmitigated	9.3376	0.5518	0.0000	23.1335

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	46	9.3376	0.5518	0.0000	23.1335
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Total		9.3376	0.5518	0.0000	23.1335

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	46	9.3376	0.5518	0.0000	23.1335
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Total		9.3376	0.5518	0.0000	23.1335

9.0 Operational Offroad

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

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number
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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**2550 Irving Street Project****Bay Area AQMD Air District, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	11.00	Space	0.00	4,708.00	0
Apartment Mid Rise	100.00	Dwelling Unit	0.40	114,660.00	286

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	5			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Project in San Francisco

Land Use - lot acreage-measured in google earth.
square feet-measured on ground floor plan. 16,380sf (footprint) X 7 (floors) = 114,660sf (total square feet)

Construction Phase - Applicant project schedule

Off-road Equipment - default equipment

Trips and VMT - Haul Truck Desintation to Livermore, CA (approximately 50 mile trip length)

Demolition - Demolish 18,561 square feet

Grading - Export approximatley 1,600 cubic yards

Architectural Coating - BAAQMD Reg 8 Rule 3 Section 301, nonfalt and traffic coatings 100 g/L

Vehicle Trips - default trip generation rate

Woodstoves - BAAQMD Reg 6 Rule 3 Section 306, assuming no woodstoves or hearths

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Area Coating - BAAQMD Reg 8 Rule 3 Section 301, nonfalt coatings 100 g/L

Construction Off-road Equipment Mitigation - San Francisco Building Code Section 106A.3.2.6.3, construction ordinance

Mobile Land Use Mitigation -

Area Mitigation -

Water Mitigation - 2016 CalGreen Title 24

Stationary Sources - Emergency Generators and Fire Pumps -

Water And Wastewater - 100% aerobic, no spetic tanks or faculative lagoons at SF wastewater treatment plants

Energy Mitigation - Rooftop solar sysem, 75 kW

Energy Use - 100% electric development

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	150.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	100.00
tblAreaCoating	Area_EF_Parking	150	100
tblAreaCoating	Area_EF_Residential_Exterior	150	100
tblAreaMitigation	UseLowVOCPaintParkingValue	100	150
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	150
tblConstructionPhase	NumDays	5.00	22.00
tblConstructionPhase	NumDays	100.00	436.00
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	2.00	44.00
tblConstructionPhase	NumDays	5.00	23.00
tblConstructionPhase	PhaseEndDate	6/22/2022	10/1/2024
tblConstructionPhase	PhaseEndDate	6/8/2022	9/3/2025
tblConstructionPhase	PhaseEndDate	1/14/2022	2/1/2022
tblConstructionPhase	PhaseEndDate	1/19/2022	6/1/2023
tblConstructionPhase	PhaseEndDate	6/15/2022	2/1/2025
tblConstructionPhase	PhaseStartDate	6/16/2022	9/2/2024
tblConstructionPhase	PhaseStartDate	1/20/2022	1/3/2024

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tblConstructionPhase	PhaseStartDate	1/18/2022	4/1/2023
tblConstructionPhase	PhaseStartDate	6/9/2022	1/1/2025
tblEnergyUse	NT24NG	2,615.00	0.00
tblEnergyUse	T24NG	5,828.01	0.00
tblFireplaces	FireplaceDayYear	11.14	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberGas	15.00	0.00
tblFireplaces	NumberNoFireplace	4.00	0.00
tblFireplaces	NumberWood	17.00	0.00
tblGrading	MaterialExported	0.00	1,600.00
tblLandUse	LandUseSquareFeet	4,400.00	4,708.00
tblLandUse	LandUseSquareFeet	100,000.00	114,660.00
tblLandUse	LotAcreage	0.10	0.00
tblLandUse	LotAcreage	2.63	0.40
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
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	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	2.00	0.00
tblWoodstoves	NumberNoncatalytic	2.00	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					
2022	8.5300e-003	0.0877	0.0878	2.0000e-004	0.0118	3.8800e-003	0.0157	2.1000e-003	3.7100e-003	5.8100e-003	0.0000	18.5778	18.5778	2.3500e-003	1.0400e-003	18.9458
2023	0.0214	0.2555	0.1319	4.7000e-004	0.1226	9.5200e-003	0.1321	0.0581	8.7700e-003	0.0668	0.0000	42.8864	42.8864	9.3200e-003	2.3400e-003	43.8159
2024	0.8224	0.8689	1.1609	2.4300e-003	0.0867	0.0381	0.1248	0.0233	0.0352	0.0584	0.0000	220.0152	220.0152	0.0445	5.6600e-003	222.8131
2025	0.0711	0.5914	0.8429	1.7400e-003	0.0594	0.0243	0.0837	0.0160	0.0224	0.0383	0.0000	157.1616	157.1616	0.0331	3.7300e-003	159.0994
Maximum	0.8224	0.8689	1.1609	2.4300e-003	0.1226	0.0381	0.1321	0.0581	0.0352	0.0668	0.0000	220.0152	220.0152	0.0445	5.6600e-003	222.8131

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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****Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	8.5300e-003	0.0877	0.0878	2.0000e-004	6.7500e-003	3.8800e-003	0.0106	1.3400e-003	3.7100e-003	5.0500e-003	0.0000	18.5778	18.5778	2.3500e-003	1.0400e-003	18.9458
2023	0.0214	0.2555	0.1319	4.7000e-004	0.0582	9.5200e-003	0.0678	0.0270	8.7700e-003	0.0357	0.0000	42.8863	42.8863	9.3200e-003	2.3400e-003	43.8159
2024	0.8224	0.8689	1.1609	2.4300e-003	0.0867	0.0381	0.1248	0.0233	0.0352	0.0584	0.0000	220.0150	220.0150	0.0445	5.6600e-003	222.8130
2025	0.0711	0.5914	0.8429	1.7400e-003	0.0594	0.0243	0.0837	0.0160	0.0224	0.0383	0.0000	157.1615	157.1615	0.0331	3.7300e-003	159.0993
Maximum	0.8224	0.8689	1.1609	2.4300e-003	0.0867	0.0381	0.1248	0.0270	0.0352	0.0584	0.0000	220.0150	220.0150	0.0445	5.6600e-003	222.8130

	ROG	NOx	CO	SO2	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	24.73	0.00	19.47	32.04	0.00	18.80	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-3-2022	4-2-2022	0.0940	0.0940
5	1-3-2023	4-2-2023	0.0090	0.0090
6	4-3-2023	7-2-2023	0.2685	0.2685
9	1-3-2024	4-2-2024	0.2404	0.2404
10	4-3-2024	7-2-2024	0.2386	0.2386
11	7-3-2024	10-2-2024	0.9564	0.9564
12	10-3-2024	1-2-2025	0.2467	0.2467
13	1-3-2025	4-2-2025	0.2793	0.2793

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14	4-3-2025	7-2-2025	0.2204	0.2204
15	7-3-2025	9-30-2025	0.1526	0.1526
		Highest	0.9564	0.9564

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	0.5422	8.5500e-003	0.7419	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2421
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	38.2451	38.2451	6.1900e-003	7.5000e-004	38.6233
Mobile	0.2064	0.2291	1.9173	3.9800e-003	0.4403	2.9500e-003	0.4432	0.1176	2.7500e-003	0.1204	0.0000	376.2688	376.2688	0.0245	0.0180	382.2435
Waste						0.0000	0.0000		0.0000	0.0000	9.3376	0.0000	9.3376	0.5518	0.0000	23.1335
Water						0.0000	0.0000		0.0000	0.0000	2.3052	4.5921	6.8972	8.6800e-003	5.1000e-003	8.6349
Total	0.7486	0.2376	2.6592	4.0200e-003	0.4403	7.0700e-003	0.4473	0.1176	6.8700e-003	0.1245	11.6427	420.3190	431.9618	0.5923	0.0239	453.8772

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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	0.5422	8.5500e-003	0.7419	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2421
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	38.2381	38.2381	6.1900e-003	7.5000e-004	38.6162
Mobile	0.2064	0.2291	1.9173	3.9800e-003	0.4403	2.9500e-003	0.4432	0.1176	2.7500e-003	0.1204	0.0000	376.2688	376.2688	0.0245	0.0180	382.2435
Waste						0.0000	0.0000		0.0000	0.0000	9.3376	0.0000	9.3376	0.5518	0.0000	23.1335
Water						0.0000	0.0000		0.0000	0.0000	1.8441	3.9397	5.7838	6.9800e-003	4.0900e-003	7.1765
Total	0.7486	0.2376	2.6592	4.0200e-003	0.4403	7.0700e-003	0.4473	0.1176	6.8700e-003	0.1245	11.1817	419.6597	430.8414	0.5906	0.0228	452.4119

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.96	0.16	0.26	0.29	4.23	0.32

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	2/1/2022	5	22	
2	Site Prep/Grading	Grading	4/1/2023	6/1/2023	5	44	
3	Building Construction	Building Construction	1/3/2024	9/3/2025	5	436	

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

4	Paving	Paving	1/1/2025	2/1/2025	5	23
5	Architectural Coating	Architectural Coating	9/2/2024	10/1/2024	5	22

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 33****Acres of Paving: 0****Residential Indoor: 232,187; Residential Outdoor: 77,396; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 282 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Prep/Grading	Graders	1	6.00	187	0.41
Site Prep/Grading	Rubber Tired Dozers	1	6.00	247	0.40
Site Prep/Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	84.00	10.80	7.30	50.00	LD_Mix	HDT_Mix	HHDT
Site Prep/Grading	3	8.00	0.00	200.00	10.80	7.30	50.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	74.00	11.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.1400e-003	0.0000	9.1400e-003	1.3800e-003	0.0000	1.3800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.8000e-003	0.0706	0.0822	1.3000e-004		3.7100e-003	3.7100e-003		3.5500e-003	3.5500e-003	0.0000	11.4550	11.4550	2.1100e-003	0.0000	11.5078
Total	7.8000e-003	0.0706	0.0822	1.3000e-004	9.1400e-003	3.7100e-003	0.0129	1.3800e-003	3.5500e-003	4.9300e-003	0.0000	11.4550	11.4550	2.1100e-003	0.0000	11.5078

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3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3000e-004	0.0169	3.0100e-003	7.0000e-005	1.7700e-003	1.6000e-004	1.9400e-003	4.9000e-004	1.5000e-004	6.4000e-004	0.0000	6.4238	6.4238	2.1000e-004	1.0200e-003	6.7324
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.2000e-004	2.6300e-003	1.0000e-005	8.7000e-004	0.0000	8.7000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6991	0.6991	2.0000e-005	2.0000e-005	0.7056
Total	7.3000e-004	0.0171	5.6400e-003	8.0000e-005	2.6400e-003	1.6000e-004	2.8100e-003	7.2000e-004	1.5000e-004	8.8000e-004	0.0000	7.1229	7.1229	2.3000e-004	1.0400e-003	7.4380

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.1100e-003	0.0000	4.1100e-003	6.2000e-004	0.0000	6.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.8000e-003	0.0706	0.0822	1.3000e-004		3.7100e-003	3.7100e-003		3.5500e-003	3.5500e-003	0.0000	11.4549	11.4549	2.1100e-003	0.0000	11.5078
Total	7.8000e-003	0.0706	0.0822	1.3000e-004	4.1100e-003	3.7100e-003	7.8200e-003	6.2000e-004	3.5500e-003	4.1700e-003	0.0000	11.4549	11.4549	2.1100e-003	0.0000	11.5078

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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 - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3000e-004	0.0169	3.0100e-003	7.0000e-005	1.7700e-003	1.6000e-004	1.9400e-003	4.9000e-004	1.5000e-004	6.4000e-004	0.0000	6.4238	6.4238	2.1000e-004	1.0200e-003	6.7324
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.2000e-004	2.6300e-003	1.0000e-005	8.7000e-004	0.0000	8.7000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6991	0.6991	2.0000e-005	2.0000e-005	0.7056
Total	7.3000e-004	0.0171	5.6400e-003	8.0000e-005	2.6400e-003	1.6000e-004	2.8100e-003	7.2000e-004	1.5000e-004	8.8000e-004	0.0000	7.1229	7.1229	2.3000e-004	1.0400e-003	7.4380

3.3 Site Prep/Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1170	0.0000	0.1170	0.0565	0.0000	0.0565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0205	0.2239	0.1221	3.1000e-004		9.2400e-003	9.2400e-003		8.5000e-003	8.5000e-003	0.0000	27.2382	27.2382	8.8100e-003	0.0000	27.4584
Total	0.0205	0.2239	0.1221	3.1000e-004	0.1170	9.2400e-003	0.1262	0.0565	8.5000e-003	0.0650	0.0000	27.2382	27.2382	8.8100e-003	0.0000	27.4584

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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 Prep/Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.8000e-004	0.0313	5.8700e-003	1.5000e-004	4.2200e-003	2.7000e-004	4.5000e-003	1.1600e-003	2.6000e-004	1.4200e-003	0.0000	14.5582	14.5582	4.8000e-004	2.3100e-003	15.2578
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.1000e-004	3.9000e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.0900	1.0900	3.0000e-005	3.0000e-005	1.0997
Total	8.3000e-004	0.0316	9.7700e-003	1.6000e-004	5.6100e-003	2.8000e-004	5.9000e-003	1.5300e-003	2.7000e-004	1.8000e-003	0.0000	15.6482	15.6482	5.1000e-004	2.3400e-003	16.3575

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0526	0.0000	0.0526	0.0254	0.0000	0.0254	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0205	0.2239	0.1221	3.1000e-004		9.2400e-003	9.2400e-003		8.5000e-003	8.5000e-003	0.0000	27.2382	27.2382	8.8100e-003	0.0000	27.4584
Total	0.0205	0.2239	0.1221	3.1000e-004	0.0526	9.2400e-003	0.0619	0.0254	8.5000e-003	0.0339	0.0000	27.2382	27.2382	8.8100e-003	0.0000	27.4584

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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 Prep/Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.8000e-004	0.0313	5.8700e-003	1.5000e-004	4.2200e-003	2.7000e-004	4.5000e-003	1.1600e-003	2.6000e-004	1.4200e-003	0.0000	14.5582	14.5582	4.8000e-004	2.3100e-003	15.2578
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.1000e-004	3.9000e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.0900	1.0900	3.0000e-005	3.0000e-005	1.0997
Total	8.3000e-004	0.0316	9.7700e-003	1.6000e-004	5.6100e-003	2.8000e-004	5.9000e-003	1.5300e-003	2.7000e-004	1.8000e-003	0.0000	15.6482	15.6482	5.1000e-004	2.3400e-003	16.3575

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0774	0.7766	0.9188	1.4800e-003		0.0367	0.0367		0.0338	0.0338	0.0000	130.3151	130.3151	0.0422	0.0000	131.3688
Total	0.0774	0.7766	0.9188	1.4800e-003		0.0367	0.0367		0.0338	0.0338	0.0000	130.3151	130.3151	0.0422	0.0000	131.3688

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4800e-003	0.0636	0.0195	2.9000e-004	9.3800e-003	3.8000e-004	9.7600e-003	2.7100e-003	3.6000e-004	3.0700e-003	0.0000	27.7877	27.7877	5.7000e-004	4.1100e-003	29.0268
Worker	0.0230	0.0151	0.1993	6.2000e-004	0.0760	3.7000e-004	0.0764	0.0202	3.4000e-004	0.0206	0.0000	58.1071	58.1071	1.5500e-003	1.5200e-003	58.5999
Total	0.0245	0.0787	0.2188	9.1000e-004	0.0854	7.5000e-004	0.0862	0.0229	7.0000e-004	0.0236	0.0000	85.8948	85.8948	2.1200e-003	5.6300e-003	87.6267

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0774	0.7766	0.9188	1.4800e-003		0.0367	0.0367		0.0338	0.0338	0.0000	130.3150	130.3150	0.0422	0.0000	131.3686
Total	0.0774	0.7766	0.9188	1.4800e-003		0.0367	0.0367		0.0338	0.0338	0.0000	130.3150	130.3150	0.0422	0.0000	131.3686

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4800e-003	0.0636	0.0195	2.9000e-004	9.3800e-003	3.8000e-004	9.7600e-003	2.7100e-003	3.6000e-004	3.0700e-003	0.0000	27.7877	27.7877	5.7000e-004	4.1100e-003	29.0268
Worker	0.0230	0.0151	0.1993	6.2000e-004	0.0760	3.7000e-004	0.0764	0.0202	3.4000e-004	0.0206	0.0000	58.1071	58.1071	1.5500e-003	1.5200e-003	58.5999
Total	0.0245	0.0787	0.2188	9.1000e-004	0.0854	7.5000e-004	0.0862	0.0229	7.0000e-004	0.0236	0.0000	85.8948	85.8948	2.1200e-003	5.6300e-003	87.6267

3.4 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	0.0485	0.4824	0.6185	1.0000e-003		0.0212	0.0212		0.0195	0.0195	0.0000	88.2602	88.2602	0.0286	0.0000	88.9739
Total	0.0485	0.4824	0.6185	1.0000e-003		0.0212	0.0212		0.0195	0.0195	0.0000	88.2602	88.2602	0.0286	0.0000	88.9739

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2025****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8000e-004	0.0429	0.0130	1.9000e-004	6.3500e-003	2.5000e-004	6.6100e-003	1.8400e-003	2.4000e-004	2.0800e-003	0.0000	18.4756	18.4756	3.9000e-004	2.7300e-003	19.2992
Worker	0.0147	9.1800e-003	0.1267	4.1000e-004	0.0515	2.4000e-004	0.0517	0.0137	2.2000e-004	0.0139	0.0000	38.3943	38.3943	9.6000e-004	9.7000e-004	38.7062
Total	0.0157	0.0521	0.1396	6.0000e-004	0.0578	4.9000e-004	0.0583	0.0155	4.6000e-004	0.0160	0.0000	56.8699	56.8699	1.3500e-003	3.7000e-003	58.0054

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0485	0.4824	0.6185	1.0000e-003		0.0212	0.0212		0.0195	0.0195	0.0000	88.2601	88.2601	0.0286	0.0000	88.9738
Total	0.0485	0.4824	0.6185	1.0000e-003		0.0212	0.0212		0.0195	0.0195	0.0000	88.2601	88.2601	0.0286	0.0000	88.9738

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

3.4 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8000e-004	0.0429	0.0130	1.9000e-004	6.3500e-003	2.5000e-004	6.6100e-003	1.8400e-003	2.4000e-004	2.0800e-003	0.0000	18.4756	18.4756	3.9000e-004	2.7300e-003	19.2992
Worker	0.0147	9.1800e-003	0.1267	4.1000e-004	0.0515	2.4000e-004	0.0517	0.0137	2.2000e-004	0.0139	0.0000	38.3943	38.3943	9.6000e-004	9.7000e-004	38.7062
Total	0.0157	0.0521	0.1396	6.0000e-004	0.0578	4.9000e-004	0.0583	0.0155	4.6000e-004	0.0160	0.0000	56.8699	56.8699	1.3500e-003	3.7000e-003	58.0054

3.5 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4800e-003	0.0566	0.0808	1.3000e-004		2.5100e-003	2.5100e-003		2.3500e-003	2.3500e-003	0.0000	10.8110	10.8110	3.1500e-003	0.0000	10.8898
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.4800e-003	0.0566	0.0808	1.3000e-004		2.5100e-003	2.5100e-003		2.3500e-003	2.3500e-003	0.0000	10.8110	10.8110	3.1500e-003	0.0000	10.8898

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

3.5 Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	2.9000e-004	4.0300e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6400e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2205	1.2205	3.0000e-005	3.0000e-005	1.2304
Total	4.7000e-004	2.9000e-004	4.0300e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6400e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2205	1.2205	3.0000e-005	3.0000e-005	1.2304

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4800e-003	0.0566	0.0808	1.3000e-004		2.5100e-003	2.5100e-003		2.3500e-003	2.3500e-003	0.0000	10.8110	10.8110	3.1500e-003	0.0000	10.8898
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.4800e-003	0.0566	0.0808	1.3000e-004		2.5100e-003	2.5100e-003		2.3500e-003	2.3500e-003	0.0000	10.8110	10.8110	3.1500e-003	0.0000	10.8898

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2025****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	2.9000e-004	4.0300e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6400e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2205	1.2205	3.0000e-005	3.0000e-005	1.2304
Total	4.7000e-004	2.9000e-004	4.0300e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6400e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2205	1.2205	3.0000e-005	3.0000e-005	1.2304

3.6 Architectural Coating - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7181					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9900e-003	0.0134	0.0199	3.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	2.8086	2.8086	1.6000e-004	0.0000	2.8125
Total	0.7201	0.0134	0.0199	3.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	2.8086	2.8086	1.6000e-004	0.0000	2.8125

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

3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.6000e-004	3.4200e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9966	0.9966	3.0000e-005	3.0000e-005	1.0051
Total	4.0000e-004	2.6000e-004	3.4200e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9966	0.9966	3.0000e-005	3.0000e-005	1.0051

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7181					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9900e-003	0.0134	0.0199	3.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	2.8086	2.8086	1.6000e-004	0.0000	2.8125
Total	0.7201	0.0134	0.0199	3.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	2.8086	2.8086	1.6000e-004	0.0000	2.8125

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.6000e-004	3.4200e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9966	0.9966	3.0000e-005	3.0000e-005	1.0051
Total	4.0000e-004	2.6000e-004	3.4200e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9966	0.9966	3.0000e-005	3.0000e-005	1.0051

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2064	0.2291	1.9173	3.9800e-003	0.4403	2.9500e-003	0.4432	0.1176	2.7500e-003	0.1204	0.0000	376.2688	376.2688	0.0245	0.0180	382.2435
Unmitigated	0.2064	0.2291	1.9173	3.9800e-003	0.4403	2.9500e-003	0.4432	0.1176	2.7500e-003	0.1204	0.0000	376.2688	376.2688	0.0245	0.0180	382.2435

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	544.00	491.00	409.00	1,194,397	1,194,397
Enclosed Parking Structure	0.00	0.00	0.00		
Total	544.00	491.00	409.00	1,194,397	1,194,397

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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 Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
Enclosed Parking Structure	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820

5.0 Energy Detail

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

5.1 Mitigation Measures Energy

[illegible]

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

Unmitigated

[illegible]

Mitigated

[illegible]

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	388637	35.9582	5.8200e-003	7.1000e-004	36.3137
Enclosed Parking Structure	24717	2.2869	3.7000e-004	4.0000e-005	2.3095
Total		38.2451	6.1900e-003	7.5000e-004	38.6232

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	388600	35.9547	5.8200e-003	7.1000e-004	36.3102
Enclosed Parking Structure	24679.5	2.2834	3.7000e-004	4.0000e-005	2.3060
Total		38.2381	6.1900e-003	7.5000e-004	38.6162

6.0 Area Detail

2550 Irving Street Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5422	8.5500e-003	0.7419	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2421
Unmitigated	0.5422	8.5500e-003	0.7419	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2421

2550 Irving Street Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.2 Area by SubCategory****Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0718					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4481					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	0.0223	8.5500e-003	0.7419	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2421
Total	0.5422	8.5500e-003	0.7419	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2421

2550 Irving Street Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0718					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4481					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	0.0223	8.5500e-003	0.7419	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2421
Total	0.5422	8.5500e-003	0.7419	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2421

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

2550 Irving Street Project - Bay Area AQMD Air District, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.7838	6.9800e-003	4.0900e-003	7.1765
Unmitigated	6.8972	8.6800e-003	5.1000e-003	8.6349

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	6.5154 / 4.10754	6.8972	8.6800e-003	5.1000e-003	8.6349
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		6.8972	8.6800e-003	5.1000e-003	8.6349

2550 Irving Street Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	5.21232 / 4.10754	5.7838	6.9800e-003	4.0900e-003	7.1765
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		5.7838	6.9800e-003	4.0900e-003	7.1765

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

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	9.3376	0.5518	0.0000	23.1335
Unmitigated	9.3376	0.5518	0.0000	23.1335

2550 Irving Street Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	46	9.3376	0.5518	0.0000	23.1335
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Total		9.3376	0.5518	0.0000	23.1335

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	46	9.3376	0.5518	0.0000	23.1335
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Total		9.3376	0.5518	0.0000	23.1335

9.0 Operational Offroad

2550 Irving Street Project - Bay Area AQMD Air District, Annual

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

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

2550 Irving Street Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2550 Irving Street Project
Bay Area AQMD Air District, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	11.00	Space	0.00	4,708.00	0
Apartment Mid Rise	100.00	Dwelling Unit	0.40	114,660.00	286

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	5			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Project in San Francisco

Land Use - lot acreage-measured in google earth.
square feet-measured on ground floor plan. 16,380sf (footprint) X 7 (floors) = 114,660sf (total square feet)

Construction Phase - Applicant project schedule

Off-road Equipment - default equipment

Trips and VMT - Haul Truck Desintation to Livermore, CA (approximately 50 mile trip length)

Demolition - Demolish 18,561 square feet

Grading - Export approximatley 1,600 cubic yards

Architectural Coating - BAAQMD Reg 8 Rule 3 Section 301, nonfalt and traffic coatings 100 g/L

Vehicle Trips - default trip generation rate

Woodstoves - BAAQMD Reg 6 Rule 3 Section 306, assuming no woodstoves or hearths

2550 Irving Street Project - Bay Area AQMD Air District, Annual

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

Area Coating - BAAQMD Reg 8 Rule 3 Section 301, nonfalt coatings 100 g/L

Construction Off-road Equipment Mitigation - San Francisco Building Code Section 106A.3.2.6.3, construction ordinance

Mobile Land Use Mitigation -

Area Mitigation -

Water Mitigation - 2016 CalGreen Title 24

Stationary Sources - Emergency Generators and Fire Pumps -

Water And Wastewater - 100% aerobic, no spetic tanks or faculative lagoons at SF wastewater treatment plants

Energy Mitigation - Rooftop solar sysem, 75 kW

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	150.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	100.00
tblAreaCoating	Area_EF_Parking	150	100
tblAreaCoating	Area_EF_Residential_Exterior	150	100
tblAreaMitigation	UseLowVOCPaintParkingValue	100	150
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	150
tblConstructionPhase	NumDays	5.00	22.00
tblConstructionPhase	NumDays	100.00	436.00
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	2.00	44.00
tblConstructionPhase	NumDays	5.00	23.00
tblConstructionPhase	PhaseEndDate	6/22/2022	10/1/2024
tblConstructionPhase	PhaseEndDate	6/8/2022	9/3/2025
tblConstructionPhase	PhaseEndDate	1/14/2022	2/1/2022
tblConstructionPhase	PhaseEndDate	1/19/2022	6/1/2023
tblConstructionPhase	PhaseEndDate	6/15/2022	2/1/2025
tblConstructionPhase	PhaseStartDate	6/16/2022	9/2/2024
tblConstructionPhase	PhaseStartDate	1/20/2022	1/3/2024
tblConstructionPhase	PhaseStartDate	1/18/2022	4/1/2023

2550 Irving Street Project - Bay Area AQMD Air District, Annual

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

tblConstructionPhase	PhaseStartDate	6/9/2022	1/1/2025
tblFireplaces	FireplaceDayYear	11.14	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberGas	15.00	0.00
tblFireplaces	NumberNoFireplace	4.00	0.00
tblFireplaces	NumberWood	17.00	0.00
tblGrading	MaterialExported	0.00	1,600.00
tblLandUse	LandUseSquareFeet	4,400.00	4,708.00
tblLandUse	LandUseSquareFeet	100,000.00	114,660.00
tblLandUse	LotAcreage	0.10	0.00
tblLandUse	LotAcreage	2.63	0.40
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
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	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	2.00	0.00
tblWoodstoves	NumberNoncatalytic	2.00	0.00
tblWoodstoves	WoodstoveDayYear	14.12	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

2550 Irving Street Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	8.5300e-003	0.0877	0.0878	2.0000e-004	0.0118	3.8800e-003	0.0157	2.1000e-003	3.7100e-003	5.8100e-003	0.0000	18.5778	18.5778	2.3500e-003	1.0400e-003	18.9458
2023	0.0214	0.2555	0.1319	4.7000e-004	0.1226	9.5200e-003	0.1321	0.0581	8.7700e-003	0.0668	0.0000	42.8864	42.8864	9.3200e-003	2.3400e-003	43.8159
2024	0.8224	0.8689	1.1609	2.4300e-003	0.0867	0.0381	0.1248	0.0233	0.0352	0.0584	0.0000	220.0152	220.0152	0.0445	5.6600e-003	222.8131
2025	0.0711	0.5914	0.8429	1.7400e-003	0.0594	0.0243	0.0837	0.0160	0.0224	0.0383	0.0000	157.1616	157.1616	0.0331	3.7300e-003	159.0994
Maximum	0.8224	0.8689	1.1609	2.4300e-003	0.1226	0.0381	0.1321	0.0581	0.0352	0.0668	0.0000	220.0152	220.0152	0.0445	5.6600e-003	222.8131

2550 Irving Street Project - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.1 Overall Construction****Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	8.5300e-003	0.0877	0.0878	2.0000e-004	6.7500e-003	3.8800e-003	0.0106	1.3400e-003	3.7100e-003	5.0500e-003	0.0000	18.5778	18.5778	2.3500e-003	1.0400e-003	18.9458
2023	0.0214	0.2555	0.1319	4.7000e-004	0.0582	9.5200e-003	0.0678	0.0270	8.7700e-003	0.0357	0.0000	42.8863	42.8863	9.3200e-003	2.3400e-003	43.8159
2024	0.8224	0.8689	1.1609	2.4300e-003	0.0867	0.0381	0.1248	0.0233	0.0352	0.0584	0.0000	220.0150	220.0150	0.0445	5.6600e-003	222.8130
2025	0.0711	0.5914	0.8429	1.7400e-003	0.0594	0.0243	0.0837	0.0160	0.0224	0.0383	0.0000	157.1615	157.1615	0.0331	3.7300e-003	159.0993
Maximum	0.8224	0.8689	1.1609	2.4300e-003	0.0867	0.0381	0.1248	0.0270	0.0352	0.0584	0.0000	220.0150	220.0150	0.0445	5.6600e-003	222.8130

	ROG	NOx	CO	SO2	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	24.73	0.00	19.47	32.04	0.00	18.80	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-3-2022	4-2-2022	0.0940	0.0940
5	1-3-2023	4-2-2023	0.0090	0.0090
6	4-3-2023	7-2-2023	0.2685	0.2685
9	1-3-2024	4-2-2024	0.2404	0.2404
10	4-3-2024	7-2-2024	0.2386	0.2386
11	7-3-2024	10-2-2024	0.9564	0.9564
12	10-3-2024	1-2-2025	0.2467	0.2467
13	1-3-2025	4-2-2025	0.2793	0.2793

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

14	4-3-2025	7-2-2025	0.2204	0.2204
15	7-3-2025	9-30-2025	0.1526	0.1526
		Highest	0.9564	0.9564

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	0.5422	8.5500e-003	0.7419	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2421
Energy	4.5500e-003	0.0389	0.0166	2.5000e-004		3.1500e-003	3.1500e-003		3.1500e-003	3.1500e-003	0.0000	83.3002	83.3002	7.0500e-003	1.5800e-003	83.9461
Mobile	0.2064	0.2291	1.9173	3.9800e-003	0.4403	2.9500e-003	0.4432	0.1176	2.7500e-003	0.1204	0.0000	376.2688	376.2688	0.0245	0.0180	382.2435
Waste						0.0000	0.0000		0.0000	0.0000	9.3376	0.0000	9.3376	0.5518	0.0000	23.1335
Water						0.0000	0.0000		0.0000	0.0000	2.3052	4.5921	6.8972	8.6800e-003	5.1000e-003	8.6349
Total	0.7531	0.2765	2.6758	4.2700e-003	0.4403	0.0102	0.4505	0.1176	0.0100	0.1276	11.6427	465.3741	477.0169	0.5932	0.0247	499.2000

2550 Irving Street Project - Bay Area AQMD Air District, Annual

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5422	8.5500e-003	0.7419	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2421
Energy	4.5500e-003	0.0389	0.0166	2.5000e-004		3.1500e-003	3.1500e-003		3.1500e-003	3.1500e-003	0.0000	83.2933	83.2933	7.0500e-003	1.5800e-003	83.9391
Mobile	0.2064	0.2291	1.9173	3.9800e-003	0.4403	2.9500e-003	0.4432	0.1176	2.7500e-003	0.1204	0.0000	376.2688	376.2688	0.0245	0.0180	382.2435
Waste						0.0000	0.0000		0.0000	0.0000	9.3376	0.0000	9.3376	0.5518	0.0000	23.1335
Water						0.0000	0.0000		0.0000	0.0000	1.8441	3.9397	5.7838	6.9800e-003	4.0900e-003	7.1765
Total	0.7531	0.2765	2.6758	4.2700e-003	0.4403	0.0102	0.4505	0.1176	0.0100	0.1276	11.1817	464.7148	475.8965	0.5915	0.0237	497.7347

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.96	0.14	0.23	0.29	4.09	0.29

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	2/1/2022	5	22	
2	Site Prep/Grading	Grading	4/1/2023	6/1/2023	5	44	
3	Building Construction	Building Construction	1/3/2024	9/3/2025	5	436	

2550 Irving Street Project - Bay Area AQMD Air District, Annual

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

4	Paving	Paving	1/1/2025	2/1/2025	5	23
5	Architectural Coating	Architectural Coating	9/2/2024	10/1/2024	5	22

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 33****Acres of Paving: 0****Residential Indoor: 232,187; Residential Outdoor: 77,396; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 282 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Prep/Grading	Graders	1	6.00	187	0.41
Site Prep/Grading	Rubber Tired Dozers	1	6.00	247	0.40
Site Prep/Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	84.00	10.80	7.30	50.00	LD_Mix	HDT_Mix	HHDT
Site Prep/Grading	3	8.00	0.00	200.00	10.80	7.30	50.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	74.00	11.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.1400e-003	0.0000	9.1400e-003	1.3800e-003	0.0000	1.3800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.8000e-003	0.0706	0.0822	1.3000e-004		3.7100e-003	3.7100e-003		3.5500e-003	3.5500e-003	0.0000	11.4550	11.4550	2.1100e-003	0.0000	11.5078
Total	7.8000e-003	0.0706	0.0822	1.3000e-004	9.1400e-003	3.7100e-003	0.0129	1.3800e-003	3.5500e-003	4.9300e-003	0.0000	11.4550	11.4550	2.1100e-003	0.0000	11.5078

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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 - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3000e-004	0.0169	3.0100e-003	7.0000e-005	1.7700e-003	1.6000e-004	1.9400e-003	4.9000e-004	1.5000e-004	6.4000e-004	0.0000	6.4238	6.4238	2.1000e-004	1.0200e-003	6.7324
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.2000e-004	2.6300e-003	1.0000e-005	8.7000e-004	0.0000	8.7000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6991	0.6991	2.0000e-005	2.0000e-005	0.7056
Total	7.3000e-004	0.0171	5.6400e-003	8.0000e-005	2.6400e-003	1.6000e-004	2.8100e-003	7.2000e-004	1.5000e-004	8.8000e-004	0.0000	7.1229	7.1229	2.3000e-004	1.0400e-003	7.4380

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.1100e-003	0.0000	4.1100e-003	6.2000e-004	0.0000	6.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.8000e-003	0.0706	0.0822	1.3000e-004		3.7100e-003	3.7100e-003		3.5500e-003	3.5500e-003	0.0000	11.4549	11.4549	2.1100e-003	0.0000	11.5078
Total	7.8000e-003	0.0706	0.0822	1.3000e-004	4.1100e-003	3.7100e-003	7.8200e-003	6.2000e-004	3.5500e-003	4.1700e-003	0.0000	11.4549	11.4549	2.1100e-003	0.0000	11.5078

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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 - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3000e-004	0.0169	3.0100e-003	7.0000e-005	1.7700e-003	1.6000e-004	1.9400e-003	4.9000e-004	1.5000e-004	6.4000e-004	0.0000	6.4238	6.4238	2.1000e-004	1.0200e-003	6.7324
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.2000e-004	2.6300e-003	1.0000e-005	8.7000e-004	0.0000	8.7000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6991	0.6991	2.0000e-005	2.0000e-005	0.7056
Total	7.3000e-004	0.0171	5.6400e-003	8.0000e-005	2.6400e-003	1.6000e-004	2.8100e-003	7.2000e-004	1.5000e-004	8.8000e-004	0.0000	7.1229	7.1229	2.3000e-004	1.0400e-003	7.4380

3.3 Site Prep/Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1170	0.0000	0.1170	0.0565	0.0000	0.0565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0205	0.2239	0.1221	3.1000e-004		9.2400e-003	9.2400e-003		8.5000e-003	8.5000e-003	0.0000	27.2382	27.2382	8.8100e-003	0.0000	27.4584
Total	0.0205	0.2239	0.1221	3.1000e-004	0.1170	9.2400e-003	0.1262	0.0565	8.5000e-003	0.0650	0.0000	27.2382	27.2382	8.8100e-003	0.0000	27.4584

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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 Prep/Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.8000e-004	0.0313	5.8700e-003	1.5000e-004	4.2200e-003	2.7000e-004	4.5000e-003	1.1600e-003	2.6000e-004	1.4200e-003	0.0000	14.5582	14.5582	4.8000e-004	2.3100e-003	15.2578
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.1000e-004	3.9000e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.0900	1.0900	3.0000e-005	3.0000e-005	1.0997
Total	8.3000e-004	0.0316	9.7700e-003	1.6000e-004	5.6100e-003	2.8000e-004	5.9000e-003	1.5300e-003	2.7000e-004	1.8000e-003	0.0000	15.6482	15.6482	5.1000e-004	2.3400e-003	16.3575

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0526	0.0000	0.0526	0.0254	0.0000	0.0254	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0205	0.2239	0.1221	3.1000e-004		9.2400e-003	9.2400e-003		8.5000e-003	8.5000e-003	0.0000	27.2382	27.2382	8.8100e-003	0.0000	27.4584
Total	0.0205	0.2239	0.1221	3.1000e-004	0.0526	9.2400e-003	0.0619	0.0254	8.5000e-003	0.0339	0.0000	27.2382	27.2382	8.8100e-003	0.0000	27.4584

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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 Prep/Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.8000e-004	0.0313	5.8700e-003	1.5000e-004	4.2200e-003	2.7000e-004	4.5000e-003	1.1600e-003	2.6000e-004	1.4200e-003	0.0000	14.5582	14.5582	4.8000e-004	2.3100e-003	15.2578
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.1000e-004	3.9000e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.0900	1.0900	3.0000e-005	3.0000e-005	1.0997
Total	8.3000e-004	0.0316	9.7700e-003	1.6000e-004	5.6100e-003	2.8000e-004	5.9000e-003	1.5300e-003	2.7000e-004	1.8000e-003	0.0000	15.6482	15.6482	5.1000e-004	2.3400e-003	16.3575

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0774	0.7766	0.9188	1.4800e-003		0.0367	0.0367		0.0338	0.0338	0.0000	130.3151	130.3151	0.0422	0.0000	131.3688
Total	0.0774	0.7766	0.9188	1.4800e-003		0.0367	0.0367		0.0338	0.0338	0.0000	130.3151	130.3151	0.0422	0.0000	131.3688

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4800e-003	0.0636	0.0195	2.9000e-004	9.3800e-003	3.8000e-004	9.7600e-003	2.7100e-003	3.6000e-004	3.0700e-003	0.0000	27.7877	27.7877	5.7000e-004	4.1100e-003	29.0268
Worker	0.0230	0.0151	0.1993	6.2000e-004	0.0760	3.7000e-004	0.0764	0.0202	3.4000e-004	0.0206	0.0000	58.1071	58.1071	1.5500e-003	1.5200e-003	58.5999
Total	0.0245	0.0787	0.2188	9.1000e-004	0.0854	7.5000e-004	0.0862	0.0229	7.0000e-004	0.0236	0.0000	85.8948	85.8948	2.1200e-003	5.6300e-003	87.6267

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0774	0.7766	0.9188	1.4800e-003		0.0367	0.0367		0.0338	0.0338	0.0000	130.3150	130.3150	0.0422	0.0000	131.3686
Total	0.0774	0.7766	0.9188	1.4800e-003		0.0367	0.0367		0.0338	0.0338	0.0000	130.3150	130.3150	0.0422	0.0000	131.3686

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2024****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4800e-003	0.0636	0.0195	2.9000e-004	9.3800e-003	3.8000e-004	9.7600e-003	2.7100e-003	3.6000e-004	3.0700e-003	0.0000	27.7877	27.7877	5.7000e-004	4.1100e-003	29.0268
Worker	0.0230	0.0151	0.1993	6.2000e-004	0.0760	3.7000e-004	0.0764	0.0202	3.4000e-004	0.0206	0.0000	58.1071	58.1071	1.5500e-003	1.5200e-003	58.5999
Total	0.0245	0.0787	0.2188	9.1000e-004	0.0854	7.5000e-004	0.0862	0.0229	7.0000e-004	0.0236	0.0000	85.8948	85.8948	2.1200e-003	5.6300e-003	87.6267

3.4 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	0.0485	0.4824	0.6185	1.0000e-003		0.0212	0.0212		0.0195	0.0195	0.0000	88.2602	88.2602	0.0286	0.0000	88.9739
Total	0.0485	0.4824	0.6185	1.0000e-003		0.0212	0.0212		0.0195	0.0195	0.0000	88.2602	88.2602	0.0286	0.0000	88.9739

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2025****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8000e-004	0.0429	0.0130	1.9000e-004	6.3500e-003	2.5000e-004	6.6100e-003	1.8400e-003	2.4000e-004	2.0800e-003	0.0000	18.4756	18.4756	3.9000e-004	2.7300e-003	19.2992
Worker	0.0147	9.1800e-003	0.1267	4.1000e-004	0.0515	2.4000e-004	0.0517	0.0137	2.2000e-004	0.0139	0.0000	38.3943	38.3943	9.6000e-004	9.7000e-004	38.7062
Total	0.0157	0.0521	0.1396	6.0000e-004	0.0578	4.9000e-004	0.0583	0.0155	4.6000e-004	0.0160	0.0000	56.8699	56.8699	1.3500e-003	3.7000e-003	58.0054

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0485	0.4824	0.6185	1.0000e-003		0.0212	0.0212		0.0195	0.0195	0.0000	88.2601	88.2601	0.0286	0.0000	88.9738
Total	0.0485	0.4824	0.6185	1.0000e-003		0.0212	0.0212		0.0195	0.0195	0.0000	88.2601	88.2601	0.0286	0.0000	88.9738

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

3.4 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8000e-004	0.0429	0.0130	1.9000e-004	6.3500e-003	2.5000e-004	6.6100e-003	1.8400e-003	2.4000e-004	2.0800e-003	0.0000	18.4756	18.4756	3.9000e-004	2.7300e-003	19.2992
Worker	0.0147	9.1800e-003	0.1267	4.1000e-004	0.0515	2.4000e-004	0.0517	0.0137	2.2000e-004	0.0139	0.0000	38.3943	38.3943	9.6000e-004	9.7000e-004	38.7062
Total	0.0157	0.0521	0.1396	6.0000e-004	0.0578	4.9000e-004	0.0583	0.0155	4.6000e-004	0.0160	0.0000	56.8699	56.8699	1.3500e-003	3.7000e-003	58.0054

3.5 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4800e-003	0.0566	0.0808	1.3000e-004		2.5100e-003	2.5100e-003		2.3500e-003	2.3500e-003	0.0000	10.8110	10.8110	3.1500e-003	0.0000	10.8898
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.4800e-003	0.0566	0.0808	1.3000e-004		2.5100e-003	2.5100e-003		2.3500e-003	2.3500e-003	0.0000	10.8110	10.8110	3.1500e-003	0.0000	10.8898

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

3.5 Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	2.9000e-004	4.0300e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6400e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2205	1.2205	3.0000e-005	3.0000e-005	1.2304
Total	4.7000e-004	2.9000e-004	4.0300e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6400e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2205	1.2205	3.0000e-005	3.0000e-005	1.2304

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4800e-003	0.0566	0.0808	1.3000e-004		2.5100e-003	2.5100e-003		2.3500e-003	2.3500e-003	0.0000	10.8110	10.8110	3.1500e-003	0.0000	10.8898
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.4800e-003	0.0566	0.0808	1.3000e-004		2.5100e-003	2.5100e-003		2.3500e-003	2.3500e-003	0.0000	10.8110	10.8110	3.1500e-003	0.0000	10.8898

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2025****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	2.9000e-004	4.0300e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6400e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2205	1.2205	3.0000e-005	3.0000e-005	1.2304
Total	4.7000e-004	2.9000e-004	4.0300e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6400e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2205	1.2205	3.0000e-005	3.0000e-005	1.2304

3.6 Architectural Coating - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7181					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9900e-003	0.0134	0.0199	3.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	2.8086	2.8086	1.6000e-004	0.0000	2.8125
Total	0.7201	0.0134	0.0199	3.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	2.8086	2.8086	1.6000e-004	0.0000	2.8125

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.6000e-004	3.4200e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9966	0.9966	3.0000e-005	3.0000e-005	1.0051
Total	4.0000e-004	2.6000e-004	3.4200e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9966	0.9966	3.0000e-005	3.0000e-005	1.0051

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7181					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9900e-003	0.0134	0.0199	3.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	2.8086	2.8086	1.6000e-004	0.0000	2.8125
Total	0.7201	0.0134	0.0199	3.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	2.8086	2.8086	1.6000e-004	0.0000	2.8125

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2024****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.6000e-004	3.4200e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9966	0.9966	3.0000e-005	3.0000e-005	1.0051
Total	4.0000e-004	2.6000e-004	3.4200e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9966	0.9966	3.0000e-005	3.0000e-005	1.0051

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2064	0.2291	1.9173	3.9800e-003	0.4403	2.9500e-003	0.4432	0.1176	2.7500e-003	0.1204	0.0000	376.2688	376.2688	0.0245	0.0180	382.2435
Unmitigated	0.2064	0.2291	1.9173	3.9800e-003	0.4403	2.9500e-003	0.4432	0.1176	2.7500e-003	0.1204	0.0000	376.2688	376.2688	0.0245	0.0180	382.2435

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	544.00	491.00	409.00	1,194,397	1,194,397
Enclosed Parking Structure	0.00	0.00	0.00		
Total	544.00	491.00	409.00	1,194,397	1,194,397

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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 Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
Enclosed Parking Structure	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820

5.0 Energy Detail

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

Historical Energy Use: N

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	38.2381	38.2381	6.1900e-003	7.5000e-004	38.6162
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	38.2451	38.2451	6.1900e-003	7.5000e-004	38.6233
NaturalGas Mitigated	4.5500e-003	0.0389	0.0166	2.5000e-004		3.1500e-003	3.1500e-003		3.1500e-003	3.1500e-003	0.0000	45.0551	45.0551	8.6000e-004	8.3000e-004	45.3229
NaturalGas Unmitigated	4.5500e-003	0.0389	0.0166	2.5000e-004		3.1500e-003	3.1500e-003		3.1500e-003	3.1500e-003	0.0000	45.0551	45.0551	8.6000e-004	8.3000e-004	45.3229

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	844301	4.5500e-003	0.0389	0.0166	2.5000e-004		3.1500e-003	3.1500e-003		3.1500e-003	3.1500e-003	0.0000	45.0551	45.0551	8.6000e-004	8.3000e-004	45.3229
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		4.5500e-003	0.0389	0.0166	2.5000e-004		3.1500e-003	3.1500e-003		3.1500e-003	3.1500e-003	0.0000	45.0551	45.0551	8.6000e-004	8.3000e-004	45.3229

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	844301	4.5500e-003	0.0389	0.0166	2.5000e-004		3.1500e-003	3.1500e-003		3.1500e-003	3.1500e-003	0.0000	45.0551	45.0551	8.6000e-004	8.3000e-004	45.3229
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		4.5500e-003	0.0389	0.0166	2.5000e-004		3.1500e-003	3.1500e-003		3.1500e-003	3.1500e-003	0.0000	45.0551	45.0551	8.6000e-004	8.3000e-004	45.3229

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	388637	35.9582	5.8200e-003	7.1000e-004	36.3137
Enclosed Parking Structure	24717	2.2869	3.7000e-004	4.0000e-005	2.3095
Total		38.2451	6.1900e-003	7.5000e-004	38.6232

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	388600	35.9547	5.8200e-003	7.1000e-004	36.3102
Enclosed Parking Structure	24679.5	2.2834	3.7000e-004	4.0000e-005	2.3060
Total		38.2381	6.1900e-003	7.5000e-004	38.6162

6.0 Area Detail

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5422	8.5500e-003	0.7419	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2421
Unmitigated	0.5422	8.5500e-003	0.7419	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2421

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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****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	0.0718					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4481					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	0.0223	8.5500e-003	0.7419	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2421
Total	0.5422	8.5500e-003	0.7419	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2421

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0718					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4481					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	0.0223	8.5500e-003	0.7419	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2421
Total	0.5422	8.5500e-003	0.7419	4.0000e-005		4.1200e-003	4.1200e-003		4.1200e-003	4.1200e-003	0.0000	1.2131	1.2131	1.1600e-003	0.0000	1.2421

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.7838	6.9800e-003	4.0900e-003	7.1765
Unmitigated	6.8972	8.6800e-003	5.1000e-003	8.6349

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	6.5154 / 4.10754	6.8972	8.6800e-003	5.1000e-003	8.6349
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		6.8972	8.6800e-003	5.1000e-003	8.6349

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	5.21232 / 4.10754	5.7838	6.9800e-003	4.0900e-003	7.1765
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		5.7838	6.9800e-003	4.0900e-003	7.1765

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

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	9.3376	0.5518	0.0000	23.1335
Unmitigated	9.3376	0.5518	0.0000	23.1335

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	46	9.3376	0.5518	0.0000	23.1335
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Total		9.3376	0.5518	0.0000	23.1335

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	46	9.3376	0.5518	0.0000	23.1335
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Total		9.3376	0.5518	0.0000	23.1335

9.0 Operational Offroad

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

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
