

420 E. 3rd Street - Bay Area AQMD Air District, Annual

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

**420 E. 3rd Street
Bay Area AQMD Air District, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	8.40	1000sqft	0.00	8,400.00	0
Apartments Low Rise	20.00	Dwelling Unit	1.25	20,000.00	57
Single Family Housing	207.00	Dwelling Unit	19.25	372,600.00	592

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2027
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	203.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to be consistent with the total lot acreage shown on the site plan prepared for the proposed project. Commerical acreage zeroed out because it is part of the mixed-use residences, and included in the residential acreage.

Construction Phase - Construction phase timing based on applicant provided AQ Questionnaire

Trips and VMT - Based on applicant provided AQ Questionnaire.

Grading - Basedon applicant provided AQ questionnaire.

Vehicle Trips - Trip generation rates based on Transportation Impact Assessment prepared for the project by Fehr & Peers. Commerical trip generation zeroed out and represented in multi-family land use.

Area Mitigation - Based on AQ Questionnaire.

Water Mitigation - Compliant with MWELO.

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	NumDays	370.00	840.00
tblConstructionPhase	NumDays	35.00	200.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	20.00	840.00
tblGrading	MaterialExported	0.00	1,000.00
tblLandUse	LotAcreage	0.19	0.00
tblLandUse	LotAcreage	67.21	19.25
tblVehicleTrips	ST_TR	8.14	6.75
tblVehicleTrips	ST_TR	2.21	0.00
tblVehicleTrips	ST_TR	9.54	9.43
tblVehicleTrips	SU_TR	6.28	6.75
tblVehicleTrips	SU_TR	0.70	0.00
tblVehicleTrips	SU_TR	8.55	9.43
tblVehicleTrips	WD_TR	7.32	6.75
tblVehicleTrips	WD_TR	9.74	0.00
tblVehicleTrips	WD_TR	9.44	9.43

2.0 Emissions Summary

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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					
2023	0.2465	2.5294	2.0198	4.5000e-003	0.9932	0.1060	1.0993	0.3912	0.0975	0.4888	0.0000	395.7983	395.7983	0.1242	8.4000e-004	399.1551
2024	0.7345	2.6000	2.8691	5.9700e-003	0.6357	0.1105	0.7462	0.1857	0.1029	0.2887	0.0000	526.9125	526.9125	0.1244	6.7900e-003	532.0450
2025	1.1088	1.9474	2.6598	5.4700e-003	0.1357	0.0770	0.2127	0.0366	0.0728	0.1094	0.0000	485.3709	485.3709	0.0764	0.0117	490.7694
2026	1.1070	1.9447	2.6440	5.4300e-003	0.1357	0.0770	0.2127	0.0366	0.0728	0.1094	0.0000	482.2613	482.2613	0.0762	0.0114	487.5663
2027	0.7713	1.3006	1.7643	3.6100e-003	0.0912	0.0515	0.1427	0.0246	0.0488	0.0734	0.0000	321.2748	321.2748	0.0508	7.4200e-003	324.7564
Maximum	1.1088	2.6000	2.8691	5.9700e-003	0.9932	0.1105	1.0993	0.3912	0.1029	0.4888	0.0000	526.9125	526.9125	0.1244	0.0117	532.0450

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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					
2023	0.2465	2.5294	2.0198	4.5000e-003	0.9932	0.1060	1.0993	0.3912	0.0975	0.4888	0.0000	395.7979	395.7979	0.1242	8.4000e-004	399.1546
2024	0.7345	2.6000	2.8691	5.9700e-003	0.6357	0.1105	0.7462	0.1857	0.1029	0.2887	0.0000	526.9120	526.9120	0.1244	6.7900e-003	532.0445
2025	1.1088	1.9474	2.6598	5.4700e-003	0.1357	0.0770	0.2127	0.0366	0.0728	0.1094	0.0000	485.3705	485.3705	0.0764	0.0117	490.7690
2026	1.1070	1.9447	2.6440	5.4300e-003	0.1357	0.0770	0.2127	0.0366	0.0728	0.1094	0.0000	482.2609	482.2609	0.0762	0.0114	487.5659
2027	0.7713	1.3006	1.7643	3.6100e-003	0.0912	0.0515	0.1427	0.0246	0.0488	0.0734	0.0000	321.2745	321.2745	0.0508	7.4200e-003	324.7561
Maximum	1.1088	2.6000	2.8691	5.9700e-003	0.9932	0.1105	1.0993	0.3912	0.1029	0.4888	0.0000	526.9120	526.9120	0.1244	0.0117	532.0445

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2023	8-31-2023	1.1394	1.1394
2	9-1-2023	11-30-2023	1.2327	1.2327
3	12-1-2023	2-29-2024	1.1846	1.1846
4	3-1-2024	5-31-2024	0.7778	0.7778
5	6-1-2024	8-31-2024	0.7066	0.7066
6	9-1-2024	11-30-2024	0.8010	0.8010
7	12-1-2024	2-28-2025	0.7680	0.7680

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8	3-1-2025	5-31-2025	0.7692	0.7692
9	6-1-2025	8-31-2025	0.7680	0.7680
10	9-1-2025	11-30-2025	0.7620	0.7620
11	12-1-2025	2-28-2026	0.7539	0.7539
12	3-1-2026	5-31-2026	0.7680	0.7680
13	6-1-2026	8-31-2026	0.7669	0.7669
14	9-1-2026	11-30-2026	0.7608	0.7608
15	12-1-2026	2-28-2027	0.7528	0.7528
16	3-1-2027	5-31-2027	0.7670	0.7670
17	6-1-2027	8-31-2027	0.7659	0.7659
18	9-1-2027	9-30-2027	0.0486	0.0486
		Highest	1.2327	1.2327

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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	3.1636	0.0472	3.5216	3.8700e-003		0.2743	0.2743		0.2743	0.2743	27.2238	9.5883	36.8121	0.0538	1.5600e-003	38.6236
Energy	0.0315	0.2698	0.1176	1.7200e-003		0.0218	0.0218		0.0218	0.0218	0.0000	482.8360	482.8360	0.0336	9.0700e-003	486.3795
Mobile	0.7708	0.8409	7.2270	0.0152	1.7768	0.0109	1.7878	0.4747	0.0102	0.4849	0.0000	1,452.1753	1,452.1753	0.0913	0.0680	1,474.7277
Waste						0.0000	0.0000		0.0000	0.0000	53.9246	0.0000	53.9246	3.1869	0.0000	133.5958
Water						0.0000	0.0000		0.0000	0.0000	5.1658	11.4678	16.6336	0.5324	0.0128	33.7449
Total	3.9659	1.1579	10.8661	0.0207	1.7768	0.3070	2.0838	0.4747	0.3062	0.7810	86.3141	1,956.0674	2,042.3815	3.8980	0.0914	2,167.0714

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.8993	0.0353	1.6907	1.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	21.1247	21.1247	2.9900e-003	3.4000e-004	21.2998
Energy	0.0315	0.2698	0.1176	1.7200e-003		0.0218	0.0218		0.0218	0.0218	0.0000	482.8360	482.8360	0.0336	9.0700e-003	486.3795
Mobile	0.7708	0.8409	7.2270	0.0152	1.7768	0.0109	1.7878	0.4747	0.0102	0.4849	0.0000	1,452.1753	1,452.1753	0.0913	0.0680	1,474.7277
Waste						0.0000	0.0000		0.0000	0.0000	53.9246	0.0000	53.9246	3.1869	0.0000	133.5958
Water						0.0000	0.0000		0.0000	0.0000	5.1658	10.8046	15.9704	0.5323	0.0127	33.0751
Total	2.7016	1.1460	9.0352	0.0171	1.7768	0.0433	1.8202	0.4747	0.0426	0.5173	59.0904	1,966.9406	2,026.0310	3.8471	0.0902	2,149.0780

	ROG	NOx	CO	SO2	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	31.88	1.03	16.85	17.74	0.00	85.88	12.65	0.00	86.09	33.76	31.54	-0.56	0.80	1.31	1.35	0.83

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2023	7/12/2023	5	30	
2	Building Construction	Building Construction	6/13/2024	9/1/2027	5	840	
3	Grading	Grading	7/13/2023	4/17/2024	5	200	

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4	Paving	Paving	4/18/2024	6/12/2024	5	40
5	Architectural Coating	Architectural Coating	6/27/2024	9/15/2027	5	840

Acres of Grading (Site Preparation Phase): 45

Acres of Grading (Grading Phase): 600

Acres of Paving: 0

Residential Indoor: 795,015; Residential Outdoor: 265,005; Non-Residential Indoor: 12,600; Non-Residential Outdoor: 4,200; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	125.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	92.00	26.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 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					0.2949	0.0000	0.2949	0.1516	0.0000	0.1516	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0399	0.4129	0.2737	5.7000e-004		0.0190	0.0190		0.0175	0.0175	0.0000	50.1760	50.1760	0.0162	0.0000	50.5817
Total	0.0399	0.4129	0.2737	5.7000e-004	0.2949	0.0190	0.3139	0.1516	0.0175	0.1690	0.0000	50.1760	50.1760	0.0162	0.0000	50.5817

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3.2 Site Preparation - 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	1.3000e-004	8.4800e-003	1.9900e-003	4.0000e-005	1.0600e-003	7.0000e-005	1.1300e-003	2.9000e-004	7.0000e-005	3.6000e-004	0.0000	3.7300	3.7300	1.2000e-004	5.9000e-004	3.9092
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	4.7000e-004	5.9900e-003	2.0000e-005	2.1300e-003	1.0000e-005	2.1400e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.6721	1.6721	5.0000e-005	5.0000e-005	1.6870
Total	8.2000e-004	8.9500e-003	7.9800e-003	6.0000e-005	3.1900e-003	8.0000e-005	3.2700e-003	8.6000e-004	8.0000e-005	9.4000e-004	0.0000	5.4021	5.4021	1.7000e-004	6.4000e-004	5.5961

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2949	0.0000	0.2949	0.1516	0.0000	0.1516	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0399	0.4129	0.2737	5.7000e-004		0.0190	0.0190		0.0175	0.0175	0.0000	50.1760	50.1760	0.0162	0.0000	50.5817
Total	0.0399	0.4129	0.2737	5.7000e-004	0.2949	0.0190	0.3139	0.1516	0.0175	0.1690	0.0000	50.1760	50.1760	0.0162	0.0000	50.5817

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3.2 Site Preparation - 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	1.3000e-004	8.4800e-003	1.9900e-003	4.0000e-005	1.0600e-003	7.0000e-005	1.1300e-003	2.9000e-004	7.0000e-005	3.6000e-004	0.0000	3.7300	3.7300	1.2000e-004	5.9000e-004	3.9092
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	4.7000e-004	5.9900e-003	2.0000e-005	2.1300e-003	1.0000e-005	2.1400e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.6721	1.6721	5.0000e-005	5.0000e-005	1.6870
Total	8.2000e-004	8.9500e-003	7.9800e-003	6.0000e-005	3.1900e-003	8.0000e-005	3.2700e-003	8.6000e-004	8.0000e-005	9.4000e-004	0.0000	5.4021	5.4021	1.7000e-004	6.4000e-004	5.5961

3.3 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	0.1060	0.9680	1.1640	1.9400e-003		0.0442	0.0442		0.0415	0.0415	0.0000	166.9314	166.9314	0.0395	0.0000	167.9182
Total	0.1060	0.9680	1.1640	1.9400e-003		0.0442	0.0442		0.0415	0.0415	0.0000	166.9314	166.9314	0.0395	0.0000	167.9182

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3.3 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	1.9400e-003	0.0833	0.0255	3.7000e-004	0.0123	4.9000e-004	0.0128	3.5500e-003	4.7000e-004	4.0200e-003	0.0000	36.3766	36.3766	7.5000e-004	5.3800e-003	37.9987
Worker	0.0159	0.0104	0.1372	4.3000e-004	0.0523	2.6000e-004	0.0526	0.0139	2.4000e-004	0.0142	0.0000	40.0106	40.0106	1.0700e-003	1.0500e-003	40.3499
Total	0.0178	0.0936	0.1627	8.0000e-004	0.0646	7.5000e-004	0.0654	0.0175	7.1000e-004	0.0182	0.0000	76.3872	76.3872	1.8200e-003	6.4300e-003	78.3486

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1060	0.9680	1.1640	1.9400e-003		0.0442	0.0442		0.0415	0.0415	0.0000	166.9312	166.9312	0.0395	0.0000	167.9180
Total	0.1060	0.9680	1.1640	1.9400e-003		0.0442	0.0442		0.0415	0.0415	0.0000	166.9312	166.9312	0.0395	0.0000	167.9180

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3.3 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	1.9400e-003	0.0833	0.0255	3.7000e-004	0.0123	4.9000e-004	0.0128	3.5500e-003	4.7000e-004	4.0200e-003	0.0000	36.3766	36.3766	7.5000e-004	5.3800e-003	37.9987
Worker	0.0159	0.0104	0.1372	4.3000e-004	0.0523	2.6000e-004	0.0526	0.0139	2.4000e-004	0.0142	0.0000	40.0106	40.0106	1.0700e-003	1.0500e-003	40.3499
Total	0.0178	0.0936	0.1627	8.0000e-004	0.0646	7.5000e-004	0.0654	0.0175	7.1000e-004	0.0182	0.0000	76.3872	76.3872	1.8200e-003	6.4300e-003	78.3486

3.3 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

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

3.3 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4200e-003	0.1504	0.0454	6.6000e-004	0.0223	8.9000e-004	0.0232	6.4400e-003	8.5000e-004	7.2900e-003	0.0000	64.7600	64.7600	1.3500e-003	9.5700e-003	67.6469
Worker	0.0271	0.0169	0.2336	7.5000e-004	0.0949	4.5000e-004	0.0953	0.0252	4.1000e-004	0.0257	0.0000	70.7865	70.7865	1.7600e-003	1.7800e-003	71.3616
Total	0.0305	0.1673	0.2790	1.4100e-003	0.1171	1.3400e-003	0.1185	0.0317	1.2600e-003	0.0329	0.0000	135.5465	135.5465	3.1100e-003	0.0114	139.0085

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

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

3.3 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4200e-003	0.1504	0.0454	6.6000e-004	0.0223	8.9000e-004	0.0232	6.4400e-003	8.5000e-004	7.2900e-003	0.0000	64.7600	64.7600	1.3500e-003	9.5700e-003	67.6469
Worker	0.0271	0.0169	0.2336	7.5000e-004	0.0949	4.5000e-004	0.0953	0.0252	4.1000e-004	0.0257	0.0000	70.7865	70.7865	1.7600e-003	1.7800e-003	71.3616
Total	0.0305	0.1673	0.2790	1.4100e-003	0.1171	1.3400e-003	0.1185	0.0317	1.2600e-003	0.0329	0.0000	135.5465	135.5465	3.1100e-003	0.0114	139.0085

3.3 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

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

3.3 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3500e-003	0.1495	0.0448	6.5000e-004	0.0223	8.8000e-004	0.0232	6.4400e-003	8.5000e-004	7.2900e-003	0.0000	63.5737	63.5737	1.3400e-003	9.3900e-003	66.4064
Worker	0.0256	0.0154	0.2209	7.3000e-004	0.0949	4.2000e-004	0.0953	0.0252	3.9000e-004	0.0256	0.0000	69.1779	69.1779	1.6100e-003	1.6800e-003	69.7201
Total	0.0289	0.1649	0.2656	1.3800e-003	0.1171	1.3000e-003	0.1184	0.0317	1.2400e-003	0.0329	0.0000	132.7516	132.7516	2.9500e-003	0.0111	136.1265

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

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

3.3 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3500e-003	0.1495	0.0448	6.5000e-004	0.0223	8.8000e-004	0.0232	6.4400e-003	8.5000e-004	7.2900e-003	0.0000	63.5737	63.5737	1.3400e-003	9.3900e-003	66.4064
Worker	0.0256	0.0154	0.2209	7.3000e-004	0.0949	4.2000e-004	0.0953	0.0252	3.9000e-004	0.0256	0.0000	69.1779	69.1779	1.6100e-003	1.6800e-003	69.7201
Total	0.0289	0.1649	0.2656	1.3800e-003	0.1171	1.3000e-003	0.1184	0.0317	1.2400e-003	0.0329	0.0000	132.7516	132.7516	2.9500e-003	0.0111	136.1265

3.3 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1190	1.0849	1.3994	2.3500e-003		0.0459	0.0459		0.0432	0.0432	0.0000	201.7699	201.7699	0.0474	0.0000	202.9557
Total	0.1190	1.0849	1.3994	2.3500e-003		0.0459	0.0459		0.0432	0.0432	0.0000	201.7699	201.7699	0.0474	0.0000	202.9557

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

3.3 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1900e-003	0.0990	0.0295	4.3000e-004	0.0148	5.9000e-004	0.0154	4.2900e-003	5.6000e-004	4.8500e-003	0.0000	41.5282	41.5282	8.9000e-004	6.1300e-003	43.3781
Worker	0.0162	9.4300e-003	0.1401	4.7000e-004	0.0633	2.7000e-004	0.0635	0.0168	2.5000e-004	0.0171	0.0000	45.1461	45.1461	9.9000e-004	1.0700e-003	45.4892
Total	0.0184	0.1084	0.1695	9.0000e-004	0.0781	8.6000e-004	0.0789	0.0211	8.1000e-004	0.0219	0.0000	86.6743	86.6743	1.8800e-003	7.2000e-003	88.8672

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1190	1.0849	1.3994	2.3500e-003		0.0459	0.0459		0.0432	0.0432	0.0000	201.7697	201.7697	0.0474	0.0000	202.9554
Total	0.1190	1.0849	1.3994	2.3500e-003		0.0459	0.0459		0.0432	0.0432	0.0000	201.7697	201.7697	0.0474	0.0000	202.9554

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

3.3 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1900e-003	0.0990	0.0295	4.3000e-004	0.0148	5.9000e-004	0.0154	4.2900e-003	5.6000e-004	4.8500e-003	0.0000	41.5282	41.5282	8.9000e-004	6.1300e-003	43.3781
Worker	0.0162	9.4300e-003	0.1401	4.7000e-004	0.0633	2.7000e-004	0.0635	0.0168	2.5000e-004	0.0171	0.0000	45.1461	45.1461	9.9000e-004	1.0700e-003	45.4892
Total	0.0184	0.1084	0.1695	9.0000e-004	0.0781	8.6000e-004	0.0789	0.0211	8.1000e-004	0.0219	0.0000	86.6743	86.6743	1.8800e-003	7.2000e-003	88.8672

3.4 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					0.6855	0.0000	0.6855	0.2363	0.0000	0.2363	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2026	2.1055	1.7111	3.7900e-003		0.0869	0.0869		0.0799	0.0799	0.0000	332.6648	332.6648	0.1076	0.0000	335.3545
Total	0.2026	2.1055	1.7111	3.7900e-003	0.6855	0.0869	0.7724	0.2363	0.0799	0.3162	0.0000	332.6648	332.6648	0.1076	0.0000	335.3545

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

3.4 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1200e-003	2.1400e-003	0.0271	8.0000e-005	9.6400e-003	5.0000e-005	9.6900e-003	2.5600e-003	5.0000e-005	2.6100e-003	0.0000	7.5555	7.5555	2.2000e-004	2.1000e-004	7.6227
Total	3.1200e-003	2.1400e-003	0.0271	8.0000e-005	9.6400e-003	5.0000e-005	9.6900e-003	2.5600e-003	5.0000e-005	2.6100e-003	0.0000	7.5555	7.5555	2.2000e-004	2.1000e-004	7.6227

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.6855	0.0000	0.6855	0.2363	0.0000	0.2363	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2026	2.1055	1.7111	3.7900e-003		0.0869	0.0869		0.0799	0.0799	0.0000	332.6644	332.6644	0.1076	0.0000	335.3541
Total	0.2026	2.1055	1.7111	3.7900e-003	0.6855	0.0869	0.7724	0.2363	0.0799	0.3162	0.0000	332.6644	332.6644	0.1076	0.0000	335.3541

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

3.4 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1200e-003	2.1400e-003	0.0271	8.0000e-005	9.6400e-003	5.0000e-005	9.6900e-003	2.5600e-003	5.0000e-005	2.6100e-003	0.0000	7.5555	7.5555	2.2000e-004	2.1000e-004	7.6227
Total	3.1200e-003	2.1400e-003	0.0271	8.0000e-005	9.6400e-003	5.0000e-005	9.6900e-003	2.5600e-003	5.0000e-005	2.6100e-003	0.0000	7.5555	7.5555	2.2000e-004	2.1000e-004	7.6227

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5530	0.0000	0.5530	0.1635	0.0000	0.1635	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1255	1.2627	1.0812	2.4200e-003		0.0521	0.0521		0.0479	0.0479	0.0000	212.6261	212.6261	0.0688	0.0000	214.3453
Total	0.1255	1.2627	1.0812	2.4200e-003	0.5530	0.0521	0.6051	0.1635	0.0479	0.2114	0.0000	212.6261	212.6261	0.0688	0.0000	214.3453

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3.4 Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8700e-003	1.2200e-003	0.0162	5.0000e-005	6.1600e-003	3.0000e-005	6.1900e-003	1.6400e-003	3.0000e-005	1.6700e-003	0.0000	4.7114	4.7114	1.3000e-004	1.2000e-004	4.7513
Total	1.8700e-003	1.2200e-003	0.0162	5.0000e-005	6.1600e-003	3.0000e-005	6.1900e-003	1.6400e-003	3.0000e-005	1.6700e-003	0.0000	4.7114	4.7114	1.3000e-004	1.2000e-004	4.7513

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.5530	0.0000	0.5530	0.1635	0.0000	0.1635	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1255	1.2627	1.0812	2.4200e-003		0.0521	0.0521		0.0479	0.0479	0.0000	212.6259	212.6259	0.0688	0.0000	214.3451
Total	0.1255	1.2627	1.0812	2.4200e-003	0.5530	0.0521	0.6051	0.1635	0.0479	0.2114	0.0000	212.6259	212.6259	0.0688	0.0000	214.3451

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3.4 Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8700e-003	1.2200e-003	0.0162	5.0000e-005	6.1600e-003	3.0000e-005	6.1900e-003	1.6400e-003	3.0000e-005	1.6700e-003	0.0000	4.7114	4.7114	1.3000e-004	1.2000e-004	4.7513
Total	1.8700e-003	1.2200e-003	0.0162	5.0000e-005	6.1600e-003	3.0000e-005	6.1900e-003	1.6400e-003	3.0000e-005	1.6700e-003	0.0000	4.7114	4.7114	1.3000e-004	1.2000e-004	4.7513

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0198	0.1905	0.2925	4.6000e-004		9.3700e-003	9.3700e-003		8.6200e-003	8.6200e-003	0.0000	40.0531	40.0531	0.0130	0.0000	40.3769
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0198	0.1905	0.2925	4.6000e-004		9.3700e-003	9.3700e-003		8.6200e-003	8.6200e-003	0.0000	40.0531	40.0531	0.0130	0.0000	40.3769

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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 - 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	7.2000e-004	4.7000e-004	6.2200e-003	2.0000e-005	2.3700e-003	1.0000e-005	2.3800e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.8121	1.8121	5.0000e-005	5.0000e-005	1.8274
Total	7.2000e-004	4.7000e-004	6.2200e-003	2.0000e-005	2.3700e-003	1.0000e-005	2.3800e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.8121	1.8121	5.0000e-005	5.0000e-005	1.8274

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0198	0.1905	0.2925	4.6000e-004		9.3700e-003	9.3700e-003		8.6200e-003	8.6200e-003	0.0000	40.0530	40.0530	0.0130	0.0000	40.3769
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0198	0.1905	0.2925	4.6000e-004		9.3700e-003	9.3700e-003		8.6200e-003	8.6200e-003	0.0000	40.0530	40.0530	0.0130	0.0000	40.3769

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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 - 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	7.2000e-004	4.7000e-004	6.2200e-003	2.0000e-005	2.3700e-003	1.0000e-005	2.3800e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.8121	1.8121	5.0000e-005	5.0000e-005	1.8274
Total	7.2000e-004	4.7000e-004	6.2200e-003	2.0000e-005	2.3700e-003	1.0000e-005	2.3800e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.8121	1.8121	5.0000e-005	5.0000e-005	1.8274

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	0.4479					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0121	0.0817	0.1213	2.0000e-004		4.0800e-003	4.0800e-003		4.0800e-003	4.0800e-003	0.0000	17.1068	17.1068	9.6000e-004	0.0000	17.1309
Total	0.4600	0.0817	0.1213	2.0000e-004		4.0800e-003	4.0800e-003		4.0800e-003	4.0800e-003	0.0000	17.1068	17.1068	9.6000e-004	0.0000	17.1309

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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	2.8900e-003	1.8900e-003	0.0250	8.0000e-005	9.5300e-003	5.0000e-005	9.5800e-003	2.5400e-003	4.0000e-005	2.5800e-003	0.0000	7.2845	7.2845	1.9000e-004	1.9000e-004	7.3463
Total	2.8900e-003	1.8900e-003	0.0250	8.0000e-005	9.5300e-003	5.0000e-005	9.5800e-003	2.5400e-003	4.0000e-005	2.5800e-003	0.0000	7.2845	7.2845	1.9000e-004	1.9000e-004	7.3463

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4479					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0121	0.0817	0.1213	2.0000e-004		4.0800e-003	4.0800e-003		4.0800e-003	4.0800e-003	0.0000	17.1068	17.1068	9.6000e-004	0.0000	17.1309
Total	0.4600	0.0817	0.1213	2.0000e-004		4.0800e-003	4.0800e-003		4.0800e-003	4.0800e-003	0.0000	17.1068	17.1068	9.6000e-004	0.0000	17.1309

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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	2.8900e-003	1.8900e-003	0.0250	8.0000e-005	9.5300e-003	5.0000e-005	9.5800e-003	2.5400e-003	4.0000e-005	2.5800e-003	0.0000	7.2845	7.2845	1.9000e-004	1.9000e-004	7.3463
Total	2.8900e-003	1.8900e-003	0.0250	8.0000e-005	9.5300e-003	5.0000e-005	9.5800e-003	2.5400e-003	4.0000e-005	2.5800e-003	0.0000	7.2845	7.2845	1.9000e-004	1.9000e-004	7.3463

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8723					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	0.8946	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654

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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 - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2900e-003	3.3100e-003	0.0457	1.5000e-004	0.0186	9.0000e-005	0.0187	4.9400e-003	8.0000e-005	5.0200e-003	0.0000	13.8495	13.8495	3.4000e-004	3.5000e-004	13.9621
Total	5.2900e-003	3.3100e-003	0.0457	1.5000e-004	0.0186	9.0000e-005	0.0187	4.9400e-003	8.0000e-005	5.0200e-003	0.0000	13.8495	13.8495	3.4000e-004	3.5000e-004	13.9621

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8723					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	0.8946	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654

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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 - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2900e-003	3.3100e-003	0.0457	1.5000e-004	0.0186	9.0000e-005	0.0187	4.9400e-003	8.0000e-005	5.0200e-003	0.0000	13.8495	13.8495	3.4000e-004	3.5000e-004	13.9621
Total	5.2900e-003	3.3100e-003	0.0457	1.5000e-004	0.0186	9.0000e-005	0.0187	4.9400e-003	8.0000e-005	5.0200e-003	0.0000	13.8495	13.8495	3.4000e-004	3.5000e-004	13.9621

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8723					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	0.8946	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654

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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 - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0100e-003	3.0100e-003	0.0432	1.4000e-004	0.0186	8.0000e-005	0.0186	4.9400e-003	8.0000e-005	5.0100e-003	0.0000	13.5348	13.5348	3.1000e-004	3.3000e-004	13.6409
Total	5.0100e-003	3.0100e-003	0.0432	1.4000e-004	0.0186	8.0000e-005	0.0186	4.9400e-003	8.0000e-005	5.0100e-003	0.0000	13.5348	13.5348	3.1000e-004	3.3000e-004	13.6409

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8723					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	0.8946	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654

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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 - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0100e-003	3.0100e-003	0.0432	1.4000e-004	0.0186	8.0000e-005	0.0186	4.9400e-003	8.0000e-005	5.0100e-003	0.0000	13.5348	13.5348	3.1000e-004	3.3000e-004	13.6409
Total	5.0100e-003	3.0100e-003	0.0432	1.4000e-004	0.0186	8.0000e-005	0.0186	4.9400e-003	8.0000e-005	5.0100e-003	0.0000	13.5348	13.5348	3.1000e-004	3.3000e-004	13.6409

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6150					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0157	0.1054	0.1664	2.7000e-004		4.7400e-003	4.7400e-003		4.7400e-003	4.7400e-003	0.0000	23.4899	23.4899	1.2800e-003	0.0000	23.5220
Total	0.6307	0.1054	0.1664	2.7000e-004		4.7400e-003	4.7400e-003		4.7400e-003	4.7400e-003	0.0000	23.4899	23.4899	1.2800e-003	0.0000	23.5220

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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 - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3400e-003	1.9500e-003	0.0290	1.0000e-004	0.0131	6.0000e-005	0.0131	3.4800e-003	5.0000e-005	3.5300e-003	0.0000	9.3406	9.3406	2.0000e-004	2.2000e-004	9.4116
Total	3.3400e-003	1.9500e-003	0.0290	1.0000e-004	0.0131	6.0000e-005	0.0131	3.4800e-003	5.0000e-005	3.5300e-003	0.0000	9.3406	9.3406	2.0000e-004	2.2000e-004	9.4116

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6150					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0157	0.1054	0.1664	2.7000e-004		4.7400e-003	4.7400e-003		4.7400e-003	4.7400e-003	0.0000	23.4899	23.4899	1.2800e-003	0.0000	23.5219
Total	0.6307	0.1054	0.1664	2.7000e-004		4.7400e-003	4.7400e-003		4.7400e-003	4.7400e-003	0.0000	23.4899	23.4899	1.2800e-003	0.0000	23.5219

420 E. 3rd Street - Bay Area AQMD Air District, Annual

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

3.6 Architectural Coating - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3400e-003	1.9500e-003	0.0290	1.0000e-004	0.0131	6.0000e-005	0.0131	3.4800e-003	5.0000e-005	3.5300e-003	0.0000	9.3406	9.3406	2.0000e-004	2.2000e-004	9.4116
Total	3.3400e-003	1.9500e-003	0.0290	1.0000e-004	0.0131	6.0000e-005	0.0131	3.4800e-003	5.0000e-005	3.5300e-003	0.0000	9.3406	9.3406	2.0000e-004	2.2000e-004	9.4116

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

420 E. 3rd Street - Bay Area AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7708	0.8409	7.2270	0.0152	1.7768	0.0109	1.7878	0.4747	0.0102	0.4849	0.0000	1,452.1753	1,452.1753	0.0913	0.0680	1,474.7277
Unmitigated	0.7708	0.8409	7.2270	0.0152	1.7768	0.0109	1.7878	0.4747	0.0102	0.4849	0.0000	1,452.1753	1,452.1753	0.0913	0.0680	1,474.7277

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	135.00	135.00	135.00	311,797	311,797
General Office Building	0.00	0.00	0.00		
Single Family Housing	1,952.01	1,952.01	1,952.01	4,508,377	4,508,377
Total	2,087.01	2,087.01	2,087.01	4,820,174	4,820,174

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.554639	0.059030	0.188043	0.120453	0.022437	0.005729	0.010970	0.007473	0.000973	0.000534	0.026133	0.000855	0.002730
General Office Building	0.554639	0.059030	0.188043	0.120453	0.022437	0.005729	0.010970	0.007473	0.000973	0.000534	0.026133	0.000855	0.002730

420 E. 3rd Street - Bay Area AQMD Air District, Annual

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

Single Family Housing	0.554639	0.059030	0.188043	0.120453	0.022437	0.005729	0.010970	0.007473	0.000973	0.000534	0.026133	0.000855	0.002730
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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	170.8844	170.8844	0.0277	3.3500e-003	172.5742
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	170.8844	170.8844	0.0277	3.3500e-003	172.5742
Natural Gas Mitigated	0.0315	0.2698	0.1176	1.7200e-003		0.0218	0.0218		0.0218	0.0218	0.0000	311.9515	311.9515	5.9800e-003	5.7200e-003	313.8053
Natural Gas Unmitigated	0.0315	0.2698	0.1176	1.7200e-003		0.0218	0.0218		0.0218	0.0218	0.0000	311.9515	311.9515	5.9800e-003	5.7200e-003	313.8053

420 E. 3rd Street - Bay Area AQMD Air District, Annual

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

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	197356	1.0600e-003	9.0900e-003	3.8700e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	10.5317	10.5317	2.0000e-004	1.9000e-004	10.5942
General Office Building	136080	7.3000e-004	6.6700e-003	5.6000e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	7.2618	7.2618	1.4000e-004	1.3000e-004	7.3049
Single Family Housing	5.51231e+006	0.0297	0.2540	0.1081	1.6200e-003		0.0205	0.0205		0.0205	0.0205	0.0000	294.1581	294.1581	5.6400e-003	5.3900e-003	295.9061
Total		0.0315	0.2698	0.1176	1.7200e-003		0.0218	0.0218		0.0218	0.0218	0.0000	311.9515	311.9515	5.9800e-003	5.7100e-003	313.8053

420 E. 3rd Street - Bay Area AQMD Air District, Annual

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	197356	1.0600e-003	9.0900e-003	3.8700e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	10.5317	10.5317	2.0000e-004	1.9000e-004	10.5942
General Office Building	136080	7.3000e-004	6.6700e-003	5.6000e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	7.2618	7.2618	1.4000e-004	1.3000e-004	7.3049
Single Family Housing	5.51231e+006	0.0297	0.2540	0.1081	1.6200e-003		0.0205	0.0205		0.0205	0.0205	0.0000	294.1581	294.1581	5.6400e-003	5.3900e-003	295.9061
Total		0.0315	0.2698	0.1176	1.7200e-003		0.0218	0.0218		0.0218	0.0218	0.0000	311.9515	311.9515	5.9800e-003	5.7100e-003	313.8053

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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 Low Rise	81220.2	7.5148	1.2200e-003	1.5000e-004	7.5891
General Office Building	144228	13.3445	2.1600e-003	2.6000e-004	13.4765
Single Family Housing	1.62148e+006	150.0251	0.0243	2.9400e-003	151.5086
Total		170.8845	0.0277	3.3500e-003	172.5742

420 E. 3rd Street - 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

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	81220.2	7.5148	1.2200e-003	1.5000e-004	7.5891
General Office Building	144228	13.3445	2.1600e-003	2.6000e-004	13.4765
Single Family Housing	1.62148e+006	150.0251	0.0243	2.9400e-003	151.5086
Total		170.8845	0.0277	3.3500e-003	172.5742

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

420 E. 3rd Street - Bay Area AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.8993	0.0353	1.6907	1.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	21.1247	21.1247	2.9900e-003	3.4000e-004	21.2998
Unmitigated	3.1636	0.0472	3.5216	3.8700e-003		0.2743	0.2743		0.2743	0.2743	27.2238	9.5883	36.8121	0.0538	1.5600e-003	38.6236

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	0.2808					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.5661					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.2662	0.0278	1.8376	3.7800e-003		0.2649	0.2649		0.2649	0.2649	27.2238	6.8350	34.0587	0.0512	1.5600e-003	35.8042
Landscaping	0.0506	0.0194	1.6840	9.0000e-005		9.3400e-003	9.3400e-003		9.3400e-003	9.3400e-003	0.0000	2.7534	2.7534	2.6400e-003	0.0000	2.8193
Total	3.1636	0.0472	3.5216	3.8700e-003		0.2743	0.2743		0.2743	0.2743	27.2238	9.5883	36.8121	0.0538	1.5600e-003	38.6236

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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	0.2808					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.5661					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.8600e-003	0.0159	6.7500e-003	1.0000e-004		1.2800e-003	1.2800e-003		1.2800e-003	1.2800e-003	0.0000	18.3714	18.3714	3.5000e-004	3.4000e-004	18.4805
Landscaping	0.0506	0.0194	1.6840	9.0000e-005		9.3400e-003	9.3400e-003		9.3400e-003	9.3400e-003	0.0000	2.7534	2.7534	2.6400e-003	0.0000	2.8193
Total	1.8993	0.0353	1.6907	1.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	21.1247	21.1247	2.9900e-003	3.4000e-004	21.2998

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

420 E. 3rd Street - 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	15.9704	0.5323	0.0127	33.0751
Unmitigated	16.6336	0.5324	0.0128	33.7449

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	1.30308 / 0.821507	1.3318	0.0426	1.0200e-003	2.7012
General Office Building	1.49296 / 0.915042	1.5174	0.0488	1.1700e-003	3.0863
Single Family Housing	13.4869 / 8.5026	13.7844	0.4410	0.0106	27.9574
Total		16.6336	0.5324	0.0128	33.7449

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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 Low Rise	1.30308 / 0.657206	1.2786	0.0426	1.0200e-003	2.6475
General Office Building	1.49296 / 0.732034	1.4582	0.0488	1.1700e-003	3.0264
Single Family Housing	13.4869 / 6.80208	13.2337	0.4409	0.0106	27.4013
Total		15.9704	0.5323	0.0127	33.0751

8.0 Waste Detail

8.1 Mitigation Measures Waste

420 E. 3rd Street - Bay Area AQMD Air District, Annual

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	53.9246	3.1869	0.0000	133.5958
Unmitigated	53.9246	3.1869	0.0000	133.5958

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	9.2	1.8675	0.1104	0.0000	4.6267
General Office Building	7.81	1.5854	0.0937	0.0000	3.9277
Single Family Housing	248.64	50.4717	2.9828	0.0000	125.0414
Total		53.9246	3.1869	0.0000	133.5958

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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

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	9.2	1.8675	0.1104	0.0000	4.6267
General Office Building	7.81	1.5854	0.0937	0.0000	3.9277
Single Family Housing	248.64	50.4717	2.9828	0.0000	125.0414
Total		53.9246	3.1869	0.0000	133.5958

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

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

11.0 Vegetation

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

420 E. 3rd Street
Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	8.40	1000sqft	0.00	8,400.00	0
Apartments Low Rise	20.00	Dwelling Unit	1.25	20,000.00	57
Single Family Housing	207.00	Dwelling Unit	19.25	372,600.00	592

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2027
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to be consistent with the total lot acreage shown on the site plan prepared for the proposed project. Commerical acreage zeroed out because it is part of the mixed-use residences, and included in the residential acreage.

Construction Phase - Construction phase timing based on applicant provided AQ Questionnaire

Trips and VMT - Based on applicant provided AQ Questionnaire.

Grading - Basedon applicant provided AQ questionnaire.

Vehicle Trips - Trip generation rates based on Transportation Impact Assessment prepared for the project by Fehr & Peers. Commerical trip generation zeroed out and represented in multi-family land use.

Area Mitigation - Based on AQ Questionnaire.

Water Mitigation - Compliant with MWELO.

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	NumDays	370.00	840.00
tblConstructionPhase	NumDays	35.00	200.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	20.00	840.00
tblGrading	MaterialExported	0.00	1,000.00
tblLandUse	LotAcreage	0.19	0.00
tblLandUse	LotAcreage	67.21	19.25
tblVehicleTrips	ST_TR	8.14	6.75
tblVehicleTrips	ST_TR	2.21	0.00
tblVehicleTrips	ST_TR	9.54	9.43
tblVehicleTrips	SU_TR	6.28	6.75
tblVehicleTrips	SU_TR	0.70	0.00
tblVehicleTrips	SU_TR	8.55	9.43
tblVehicleTrips	WD_TR	7.32	6.75
tblVehicleTrips	WD_TR	9.74	0.00
tblVehicleTrips	WD_TR	9.44	9.43

2.0 Emissions Summary

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.3758	34.5467	28.5293	0.0635	19.8815	1.4253	21.1528	10.1622	1.3113	11.3320	0.0000	6,157.2467	6,157.2467	1.9479	0.0465	6,206.9750
2024	8.6422	32.4047	28.1684	0.0635	9.3679	1.3362	10.7041	3.6973	1.2293	4.9266	0.0000	6,151.9009	6,151.9009	1.9470	0.1000	6,201.5365
2025	8.5106	14.8642	20.5331	0.0424	1.0797	0.5900	1.6697	0.2904	0.5580	0.8484	0.0000	4,147.6548	4,147.6548	0.6443	0.0974	4,192.7868
2026	8.4955	14.8454	20.4004	0.0420	1.0797	0.5897	1.6695	0.2904	0.5578	0.8482	0.0000	4,120.2230	4,120.2230	0.6428	0.0950	4,164.5913
2027	8.4818	14.8274	20.2882	0.0417	1.0797	0.5895	1.6692	0.2904	0.5576	0.8480	0.0000	4,093.6304	4,093.6304	0.6415	0.0926	4,137.2529
Maximum	8.6422	34.5467	28.5293	0.0635	19.8815	1.4253	21.1528	10.1622	1.3113	11.3320	0.0000	6,157.2467	6,157.2467	1.9479	0.1000	6,206.9750

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	233.4245	4.5278	307.0178	0.5444		40.8779	40.8779		40.8779	40.8779	4,385.7330	1,386.3703	5,772.1033	5.4772	0.3095	6,001.2615
Energy	0.1727	1.4782	0.6442	9.4200e-003		0.1193	0.1193		0.1193	0.1193		1,884.2065	1,884.2065	0.0361	0.0345	1,895.4034
Mobile	4.7359	4.2566	39.3730	0.0877	10.1465	0.0601	10.2066	2.7026	0.0560	2.7586		9,266.7275	9,266.7275	0.5184	0.3916	9,396.3754
Total	238.3332	10.2625	347.0349	0.6415	10.1465	41.0574	51.2039	2.7026	41.0533	43.7558	4,385.7330	12,537.3043	16,923.0373	6.0317	0.7356	17,293.0403

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	11.0149	3.0635	19.9228	0.0192		0.3341	0.3341		0.3341	0.3341	0.0000	3,669.4409	3,669.4409	0.1020	0.0667	3,691.8535
Energy	0.1727	1.4782	0.6442	9.4200e-003		0.1193	0.1193		0.1193	0.1193		1,884.2065	1,884.2065	0.0361	0.0345	1,895.4034
Mobile	4.7359	4.2566	39.3730	0.0877	10.1465	0.0601	10.2066	2.7026	0.0560	2.7586		9,266.7275	9,266.7275	0.5184	0.3916	9,396.3754
Total	15.9235	8.7982	59.9399	0.1163	10.1465	0.5135	10.6600	2.7026	0.5094	3.2120	0.0000	14,820.3749	14,820.3749	0.6565	0.4928	14,983.6323

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	93.32	14.27	82.73	81.87	0.00	98.75	79.18	0.00	98.76	92.66	100.00	-18.21	12.42	89.12	33.01	13.35

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2023	7/12/2023	5	30	
2	Building Construction	Building Construction	6/13/2024	9/1/2027	5	840	
3	Grading	Grading	7/13/2023	4/17/2024	5	200	
4	Paving	Paving	4/18/2024	6/12/2024	5	40	
5	Architectural Coating	Architectural Coating	6/27/2024	9/15/2027	5	840	

Acres of Grading (Site Preparation Phase): 45

Acres of Grading (Grading Phase): 600

Acres of Paving: 0

Residential Indoor: 795,015; Residential Outdoor: 265,005; Non-Residential Indoor: 12,600; Non-Residential Outdoor: 4,200; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

Building Construction	Welders	1	8.00	46	0.45
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	125.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	92.00	26.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

3.2 Site Preparation - 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					19.6608	0.0000	19.6608	10.1030	0.0000	10.1030			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6608	1.2660	20.9268	10.1030	1.1647	11.2678		3,687.308 1	3,687.308 1	1.1926		3,717.121 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	8.9200e-003	0.5445	0.1322	2.5100e-003	0.0729	4.5700e-003	0.0774	0.0200	4.3700e-003	0.0243		273.9966	273.9966	9.0300e-003	0.0434	287.1608
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0487	0.0280	0.4303	1.2800e-003	0.1479	7.3000e-004	0.1486	0.0392	6.8000e-004	0.0399		131.1921	131.1921	3.3100e-003	3.1100e-003	132.2023
Total	0.0576	0.5725	0.5625	3.7900e-003	0.2208	5.3000e-003	0.2260	0.0592	5.0500e-003	0.0642		405.1887	405.1887	0.0123	0.0465	419.3631

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

3.2 Site Preparation - 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					19.6608	0.0000	19.6608	10.1030	0.0000	10.1030			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6608	1.2660	20.9268	10.1030	1.1647	11.2678	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 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	8.9200e-003	0.5445	0.1322	2.5100e-003	0.0729	4.5700e-003	0.0774	0.0200	4.3700e-003	0.0243		273.9966	273.9966	9.0300e-003	0.0434	287.1608
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0487	0.0280	0.4303	1.2800e-003	0.1479	7.3000e-004	0.1486	0.0392	6.8000e-004	0.0399		131.1921	131.1921	3.3100e-003	3.1100e-003	132.2023
Total	0.0576	0.5725	0.5625	3.7900e-003	0.2208	5.3000e-003	0.2260	0.0592	5.0500e-003	0.0642		405.1887	405.1887	0.0123	0.0465	419.3631

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

3.3 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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0275	1.1157	0.3485	5.1900e-003	0.1761	6.8100e-003	0.1829	0.0507	6.5100e-003	0.0572		556.5804	556.5804	0.0115	0.0823	581.3846
Worker	0.2325	0.1276	2.0498	6.3400e-003	0.7558	3.5700e-003	0.7593	0.2005	3.2900e-003	0.2038		653.9003	653.9003	0.0153	0.0148	658.7016
Total	0.2600	1.2433	2.3983	0.0115	0.9319	0.0104	0.9422	0.2512	9.8000e-003	0.2610		1,210.4807	1,210.4807	0.0268	0.0971	1,240.0862

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

3.3 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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0275	1.1157	0.3485	5.1900e-003	0.1761	6.8100e-003	0.1829	0.0507	6.5100e-003	0.0572		556.5804	556.5804	0.0115	0.0823	581.3846
Worker	0.2325	0.1276	2.0498	6.3400e-003	0.7558	3.5700e-003	0.7593	0.2005	3.2900e-003	0.2038		653.9003	653.9003	0.0153	0.0148	658.7016
Total	0.2600	1.2433	2.3983	0.0115	0.9319	0.0104	0.9422	0.2512	9.8000e-003	0.2610		1,210.4807	1,210.4807	0.0268	0.0971	1,240.0862

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

3.3 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0268	1.1115	0.3424	5.0900e-003	0.1761	6.8100e-003	0.1829	0.0507	6.5100e-003	0.0572		546.6751	546.6751	0.0114	0.0808	571.0315
Worker	0.2184	0.1150	1.9211	6.1300e-003	0.7558	3.4200e-003	0.7592	0.2005	3.1400e-003	0.2036		638.1933	638.1933	0.0139	0.0139	642.6831
Total	0.2452	1.2265	2.2634	0.0112	0.9319	0.0102	0.9421	0.2512	9.6500e-003	0.2608		1,184.868 5	1,184.868 5	0.0253	0.0947	1,213.714 6

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

3.3 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0268	1.1115	0.3424	5.0900e-003	0.1761	6.8100e-003	0.1829	0.0507	6.5100e-003	0.0572		546.6751	546.6751	0.0114	0.0808	571.0315
Worker	0.2184	0.1150	1.9211	6.1300e-003	0.7558	3.4200e-003	0.7592	0.2005	3.1400e-003	0.2036		638.1933	638.1933	0.0139	0.0139	642.6831
Total	0.2452	1.2265	2.2634	0.0112	0.9319	0.0102	0.9421	0.2512	9.6500e-003	0.2608		1,184.868 5	1,184.868 5	0.0253	0.0947	1,213.714 6

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

3.3 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0262	1.1050	0.3374	5.0000e-003	0.1761	6.7700e-003	0.1829	0.0507	6.4800e-003	0.0572		536.6551	536.6551	0.0114	0.0793	560.5551
Worker	0.2062	0.1047	1.8142	5.9400e-003	0.7558	3.2600e-003	0.7590	0.2005	3.0000e-003	0.2035		623.6308	623.6308	0.0127	0.0131	627.8635
Total	0.2324	1.2098	2.1517	0.0109	0.9319	0.0100	0.9419	0.2512	9.4800e-003	0.2606		1,160.285 8	1,160.285 8	0.0240	0.0924	1,188.418 5

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

3.3 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0262	1.1050	0.3374	5.0000e-003	0.1761	6.7700e-003	0.1829	0.0507	6.4800e-003	0.0572		536.6551	536.6551	0.0114	0.0793	560.5551
Worker	0.2062	0.1047	1.8142	5.9400e-003	0.7558	3.2600e-003	0.7590	0.2005	3.0000e-003	0.2035		623.6308	623.6308	0.0127	0.0131	627.8635
Total	0.2324	1.2098	2.1517	0.0109	0.9319	0.0100	0.9419	0.2512	9.4800e-003	0.2606		1,160.285 8	1,160.285 8	0.0240	0.0924	1,188.418 5

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

3.3 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0257	1.0972	0.3331	4.9000e-003	0.1761	6.7200e-003	0.1828	0.0507	6.4300e-003	0.0571		525.8324	525.8324	0.0113	0.0776	549.2442
Worker	0.1951	0.0961	1.7240	5.7700e-003	0.7558	3.0700e-003	0.7588	0.2005	2.8300e-003	0.2033		610.4414	610.4414	0.0116	0.0125	614.4586
Total	0.2209	1.1934	2.0571	0.0107	0.9319	9.7900e-003	0.9417	0.2512	9.2600e-003	0.2604		1,136.273 8	1,136.273 8	0.0229	0.0901	1,163.702 8

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

3.3 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0257	1.0972	0.3331	4.9000e-003	0.1761	6.7200e-003	0.1828	0.0507	6.4300e-003	0.0571		525.8324	525.8324	0.0113	0.0776	549.2442
Worker	0.1951	0.0961	1.7240	5.7700e-003	0.7558	3.0700e-003	0.7588	0.2005	2.8300e-003	0.2033		610.4414	610.4414	0.0116	0.0125	614.4586
Total	0.2209	1.1934	2.0571	0.0107	0.9319	9.7900e-003	0.9417	0.2512	9.2600e-003	0.2604		1,136.273 8	1,136.273 8	0.0229	0.0901	1,163.702 8

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

3.4 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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	9.2036	1.4245	10.6281	3.6538	1.3105	4.9643		6,011.4777	6,011.4777	1.9442		6,060.0836

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0541	0.0311	0.4781	1.4200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		145.7690	145.7690	3.6800e-003	3.4600e-003	146.8915
Total	0.0541	0.0311	0.4781	1.4200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		145.7690	145.7690	3.6800e-003	3.4600e-003	146.8915

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

3.4 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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	9.2036	1.4245	10.6281	3.6538	1.3105	4.9643	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0541	0.0311	0.4781	1.4200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		145.7690	145.7690	3.6800e-003	3.4600e-003	146.8915
Total	0.0541	0.0311	0.4781	1.4200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		145.7690	145.7690	3.6800e-003	3.4600e-003	146.8915

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	3.2181	32.3770	27.7228	0.0621	9.2036	1.3354	10.5390	3.6538	1.2286	4.8823		6,009.7487	6,009.7487	1.9437		6,058.3405

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0505	0.0278	0.4456	1.3800e-003	0.1643	7.8000e-004	0.1651	0.0436	7.1000e-004	0.0443		142.1522	142.1522	3.3200e-003	3.2200e-003	143.1960
Total	0.0505	0.0278	0.4456	1.3800e-003	0.1643	7.8000e-004	0.1651	0.0436	7.1000e-004	0.0443		142.1522	142.1522	3.3200e-003	3.2200e-003	143.1960

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

3.4 Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.748 7	6,009.748 7	1.9437		6,058.340 5
Total	3.2181	32.3770	27.7228	0.0621	9.2036	1.3354	10.5390	3.6538	1.2286	4.8823	0.0000	6,009.748 7	6,009.748 7	1.9437		6,058.340 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0505	0.0278	0.4456	1.3800e-003	0.1643	7.8000e-004	0.1651	0.0436	7.1000e-004	0.0443		142.1522	142.1522	3.3200e-003	3.2200e-003	143.1960
Total	0.0505	0.0278	0.4456	1.3800e-003	0.1643	7.8000e-004	0.1651	0.0436	7.1000e-004	0.0443		142.1522	142.1522	3.3200e-003	3.2200e-003	143.1960

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0379	0.0208	0.3342	1.0300e-003	0.1232	5.8000e-004	0.1238	0.0327	5.4000e-004	0.0332		106.6142	106.6142	2.4900e-003	2.4200e-003	107.3970
Total	0.0379	0.0208	0.3342	1.0300e-003	0.1232	5.8000e-004	0.1238	0.0327	5.4000e-004	0.0332		106.6142	106.6142	2.4900e-003	2.4200e-003	107.3970

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

3.5 Paving - 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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0379	0.0208	0.3342	1.0300e-003	0.1232	5.8000e-004	0.1238	0.0327	5.4000e-004	0.0332		106.6142	106.6142	2.4900e-003	2.4200e-003	107.3970
Total	0.0379	0.0208	0.3342	1.0300e-003	0.1232	5.8000e-004	0.1238	0.0327	5.4000e-004	0.0332		106.6142	106.6142	2.4900e-003	2.4200e-003	107.3970

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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 On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.6845					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	6.8652	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	0.0455	0.0250	0.4010	1.2400e-003	0.1479	7.0000e-004	0.1486	0.0392	6.4000e-004	0.0399		127.9370	127.9370	2.9900e-003	2.9000e-003	128.8764
Total	0.0455	0.0250	0.4010	1.2400e-003	0.1479	7.0000e-004	0.1486	0.0392	6.4000e-004	0.0399		127.9370	127.9370	2.9900e-003	2.9000e-003	128.8764

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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 On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.6845					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	6.8652	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	0.0455	0.0250	0.4010	1.2400e-003	0.1479	7.0000e-004	0.1486	0.0392	6.4000e-004	0.0399		127.9370	127.9370	2.9900e-003	2.9000e-003	128.8764
Total	0.0455	0.0250	0.4010	1.2400e-003	0.1479	7.0000e-004	0.1486	0.0392	6.4000e-004	0.0399		127.9370	127.9370	2.9900e-003	2.9000e-003	128.8764

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.6845					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	6.8553	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0427	0.0225	0.3759	1.2000e-003	0.1479	6.7000e-004	0.1485	0.0392	6.2000e-004	0.0398		124.8639	124.8639	2.7100e-003	2.7200e-003	125.7423
Total	0.0427	0.0225	0.3759	1.2000e-003	0.1479	6.7000e-004	0.1485	0.0392	6.2000e-004	0.0398		124.8639	124.8639	2.7100e-003	2.7200e-003	125.7423

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.6845					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	6.8553	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0427	0.0225	0.3759	1.2000e-003	0.1479	6.7000e-004	0.1485	0.0392	6.2000e-004	0.0398		124.8639	124.8639	2.7100e-003	2.7200e-003	125.7423
Total	0.0427	0.0225	0.3759	1.2000e-003	0.1479	6.7000e-004	0.1485	0.0392	6.2000e-004	0.0398		124.8639	124.8639	2.7100e-003	2.7200e-003	125.7423

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.6845					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	6.8553	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0403	0.0205	0.3550	1.1600e-003	0.1479	6.4000e-004	0.1485	0.0392	5.9000e-004	0.0398		122.0147	122.0147	2.4700e-003	2.5700e-003	122.8429
Total	0.0403	0.0205	0.3550	1.1600e-003	0.1479	6.4000e-004	0.1485	0.0392	5.9000e-004	0.0398		122.0147	122.0147	2.4700e-003	2.5700e-003	122.8429

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.6845					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	6.8553	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0403	0.0205	0.3550	1.1600e-003	0.1479	6.4000e-004	0.1485	0.0392	5.9000e-004	0.0398		122.0147	122.0147	2.4700e-003	2.5700e-003	122.8429
Total	0.0403	0.0205	0.3550	1.1600e-003	0.1479	6.4000e-004	0.1485	0.0392	5.9000e-004	0.0398		122.0147	122.0147	2.4700e-003	2.5700e-003	122.8429

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.6845					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	6.8553	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0382	0.0188	0.3373	1.1300e-003	0.1479	6.0000e-004	0.1485	0.0392	5.5000e-004	0.0398		119.4342	119.4342	2.2700e-003	2.4500e-003	120.2202
Total	0.0382	0.0188	0.3373	1.1300e-003	0.1479	6.0000e-004	0.1485	0.0392	5.5000e-004	0.0398		119.4342	119.4342	2.2700e-003	2.4500e-003	120.2202

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.6845					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	6.8553	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0382	0.0188	0.3373	1.1300e-003	0.1479	6.0000e-004	0.1485	0.0392	5.5000e-004	0.0398		119.4342	119.4342	2.2700e-003	2.4500e-003	120.2202
Total	0.0382	0.0188	0.3373	1.1300e-003	0.1479	6.0000e-004	0.1485	0.0392	5.5000e-004	0.0398		119.4342	119.4342	2.2700e-003	2.4500e-003	120.2202

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.7359	4.2566	39.3730	0.0877	10.1465	0.0601	10.2066	2.7026	0.0560	2.7586		9,266.7275	9,266.7275	0.5184	0.3916	9,396.3754
Unmitigated	4.7359	4.2566	39.3730	0.0877	10.1465	0.0601	10.2066	2.7026	0.0560	2.7586		9,266.7275	9,266.7275	0.5184	0.3916	9,396.3754

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	135.00	135.00	135.00	311,797	311,797
General Office Building	0.00	0.00	0.00		
Single Family Housing	1,952.01	1,952.01	1,952.01	4,508,377	4,508,377
Total	2,087.01	2,087.01	2,087.01	4,820,174	4,820,174

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.554639	0.059030	0.188043	0.120453	0.022437	0.005729	0.010970	0.007473	0.000973	0.000534	0.026133	0.000855	0.002730
General Office Building	0.554639	0.059030	0.188043	0.120453	0.022437	0.005729	0.010970	0.007473	0.000973	0.000534	0.026133	0.000855	0.002730
Single Family Housing	0.554639	0.059030	0.188043	0.120453	0.022437	0.005729	0.010970	0.007473	0.000973	0.000534	0.026133	0.000855	0.002730

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1727	1.4782	0.6442	9.4200e-003		0.1193	0.1193		0.1193	0.1193		1,884.2065	1,884.2065	0.0361	0.0345	1,895.4034
NaturalGas Unmitigated	0.1727	1.4782	0.6442	9.4200e-003		0.1193	0.1193		0.1193	0.1193		1,884.2065	1,884.2065	0.0361	0.0345	1,895.4034

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	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 Low Rise	540.701	5.8300e-003	0.0498	0.0212	3.2000e-004		4.0300e-003	4.0300e-003		4.0300e-003	4.0300e-003		63.6119	63.6119	1.2200e-003	1.1700e-003	63.9899
General Office Building	372.822	4.0200e-003	0.0366	0.0307	2.2000e-004		2.7800e-003	2.7800e-003		2.7800e-003	2.7800e-003		43.8614	43.8614	8.4000e-004	8.0000e-004	44.1221
Single Family Housing	15102.2	0.1629	1.3918	0.5922	8.8800e-003		0.1125	0.1125		0.1125	0.1125		1,776.7332	1,776.7332	0.0341	0.0326	1,787.2915
Total		0.1727	1.4782	0.6441	9.4200e-003		0.1193	0.1193		0.1193	0.1193		1,884.2065	1,884.2065	0.0361	0.0345	1,895.4034

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.540701	5.8300e-003	0.0498	0.0212	3.2000e-004		4.0300e-003	4.0300e-003		4.0300e-003	4.0300e-003		63.6119	63.6119	1.2200e-003	1.1700e-003	63.9899
General Office Building	0.372822	4.0200e-003	0.0366	0.0307	2.2000e-004		2.7800e-003	2.7800e-003		2.7800e-003	2.7800e-003		43.8614	43.8614	8.4000e-004	8.0000e-004	44.1221
Single Family Housing	15.1022	0.1629	1.3918	0.5922	8.8800e-003		0.1125	0.1125		0.1125	0.1125		1,776.7332	1,776.7332	0.0341	0.0326	1,787.2915
Total		0.1727	1.4782	0.6441	9.4200e-003		0.1193	0.1193		0.1193	0.1193		1,884.2065	1,884.2065	0.0361	0.0345	1,895.4034

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	11.0149	3.0635	19.9228	0.0192		0.3341	0.3341		0.3341	0.3341	0.0000	3,669.4409	3,669.4409	0.1020	0.0667	3,691.8535
Unmitigated	233.4245	4.5278	307.0178	0.5444		40.8779	40.8779		40.8779	40.8779	4,385.7330	1,386.3703	5,772.1033	5.4772	0.3095	6,001.2615

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	1.5383					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.5814					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	222.7429	4.3123	288.3069	0.5434		40.7741	40.7741		40.7741	40.7741	4,385.7330	1,352.6471	5,738.3801	5.4449	0.3095	5,966.7309
Landscaping	0.5618	0.2155	18.7109	9.9000e-004		0.1038	0.1038		0.1038	0.1038		33.7232	33.7232	0.0323		34.5306
Total	233.4245	4.5278	307.0178	0.5444		40.8779	40.8779		40.8779	40.8779	4,385.7330	1,386.3703	5,772.1033	5.4772	0.3095	6,001.2615

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.5383					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.5814					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.3333	2.8480	1.2119	0.0182		0.2303	0.2303		0.2303	0.2303	0.0000	3,635.7177	3,635.7177	0.0697	0.0667	3,657.3229
Landscaping	0.5618	0.2155	18.7109	9.9000e-004		0.1038	0.1038		0.1038	0.1038		33.7232	33.7232	0.0323		34.5306
Total	11.0149	3.0635	19.9228	0.0192		0.3341	0.3341		0.3341	0.3341	0.0000	3,669.4409	3,669.4409	0.1020	0.0667	3,691.8535

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

420 E. 3rd Street - Bay Area AQMD Air District, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

420 E. 3rd Street - Bay Area AQMD Air District, Winter

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

420 E. 3rd Street
Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	8.40	1000sqft	0.00	8,400.00	0
Apartments Low Rise	20.00	Dwelling Unit	1.25	20,000.00	57
Single Family Housing	207.00	Dwelling Unit	19.25	372,600.00	592

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2027
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to be consistent with the total lot acreage shown on the site plan prepared for the proposed project. Commerical acreage zeroed out because it is part of the mixed-use residences, and included in the residential acreage.

Construction Phase - Construction phase timing based on applicant provided AQ Questionnaire

Trips and VMT - Based on applicant provided AQ Questionnaire.

Grading - Basedon applicant provided AQ questionnaire.

Vehicle Trips - Trip generation rates based on Transportation Impact Assessment prepared for the project by Fehr & Peers. Commerical trip generation zeroed out and represented in multi-family land use.

Area Mitigation - Based on AQ Questionnaire.

Water Mitigation - Compliant with MWELO.

420 E. 3rd Street - Bay Area AQMD Air District, Winter

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

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	NumDays	370.00	840.00
tblConstructionPhase	NumDays	35.00	200.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	20.00	840.00
tblGrading	MaterialExported	0.00	1,000.00
tblLandUse	LotAcreage	0.19	0.00
tblLandUse	LotAcreage	67.21	19.25
tblVehicleTrips	ST_TR	8.14	6.75
tblVehicleTrips	ST_TR	2.21	0.00
tblVehicleTrips	ST_TR	9.54	9.43
tblVehicleTrips	SU_TR	6.28	6.75
tblVehicleTrips	SU_TR	0.70	0.00
tblVehicleTrips	SU_TR	8.55	9.43
tblVehicleTrips	WD_TR	7.32	6.75
tblVehicleTrips	WD_TR	9.74	0.00
tblVehicleTrips	WD_TR	9.44	9.43

2.0 Emissions Summary

420 E. 3rd Street - 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					
2023	3.3772	34.5539	28.5091	0.0634	19.8815	1.4253	21.1529	10.1622	1.3113	11.3320	0.0000	6,146.914 3	6,146.914 3	1.9484	0.0470	6,196.810 9
2024	8.6495	32.4112	28.1511	0.0634	9.3679	1.3362	10.7041	3.6973	1.2293	4.9266	0.0000	6,141.846 1	6,141.846 1	1.9475	0.1029	6,191.638 1
2025	8.5183	14.9609	20.4619	0.0418	1.0797	0.5900	1.6697	0.2904	0.5581	0.8485	0.0000	4,094.596 9	4,094.596 9	0.6466	0.1001	4,140.589 6
2026	8.5036	14.9389	20.3382	0.0415	1.0797	0.5898	1.6695	0.2904	0.5578	0.8482	0.0000	4,068.463 0	4,068.463 0	0.6450	0.0975	4,113.643 8
2027	8.4901	14.9180	20.2330	0.0412	1.0797	0.5895	1.6692	0.2904	0.5576	0.8480	0.0000	4,043.023 9	4,043.023 9	0.6435	0.0950	4,087.418 4
Maximum	8.6495	34.5539	28.5091	0.0634	19.8815	1.4253	21.1529	10.1622	1.3113	11.3320	0.0000	6,146.914 3	6,146.914 3	1.9484	0.1029	6,196.810 9

420 E. 3rd Street - 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	233.4245	4.5278	307.0178	0.5444		40.8779	40.8779		40.8779	40.8779	4,385.7330	1,386.3703	5,772.1033	5.4772	0.3095	6,001.2615
Energy	0.1727	1.4782	0.6442	9.4200e-003		0.1193	0.1193		0.1193	0.1193		1,884.2065	1,884.2065	0.0361	0.0345	1,895.4034
Mobile	4.2285	4.8804	42.4233	0.0829	10.1465	0.0601	10.2066	2.7026	0.0560	2.7586		8,754.4136	8,754.4136	0.5844	0.4279	8,896.5331
Total	237.8258	10.8864	350.0852	0.6367	10.1465	41.0574	51.2039	2.7026	41.0533	43.7559	4,385.7330	12,024.9904	16,410.7234	6.0976	0.7719	16,793.1980

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	11.0149	3.0635	19.9228	0.0192		0.3341	0.3341		0.3341	0.3341	0.0000	3,669.4409	3,669.4409	0.1020	0.0667	3,691.8535
Energy	0.1727	1.4782	0.6442	9.4200e-003		0.1193	0.1193		0.1193	0.1193		1,884.2065	1,884.2065	0.0361	0.0345	1,895.4034
Mobile	4.2285	4.8804	42.4233	0.0829	10.1465	0.0601	10.2066	2.7026	0.0560	2.7586		8,754.4136	8,754.4136	0.5844	0.4279	8,896.5331
Total	15.4161	9.4221	62.9902	0.1115	10.1465	0.5136	10.6601	2.7026	0.5094	3.2120	0.0000	14,308.0610	14,308.0610	0.7225	0.5291	14,483.7900

420 E. 3rd Street - 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	93.52	13.45	82.01	82.49	0.00	98.75	79.18	0.00	98.76	92.66	100.00	-18.99	12.81	88.15	31.46	13.75

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2023	7/12/2023	5	30	
2	Building Construction	Building Construction	6/13/2024	9/1/2027	5	840	
3	Grading	Grading	7/13/2023	4/17/2024	5	200	
4	Paving	Paving	4/18/2024	6/12/2024	5	40	
5	Architectural Coating	Architectural Coating	6/27/2024	9/15/2027	5	840	

Acres of Grading (Site Preparation Phase): 45

Acres of Grading (Grading Phase): 600

Acres of Paving: 0

Residential Indoor: 795,015; Residential Outdoor: 265,005; Non-Residential Indoor: 12,600; Non-Residential Outdoor: 4,200; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37

420 E. 3rd Street - 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	Welders	1	8.00	46	0.45
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	125.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	92.00	26.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

420 E. 3rd Street - 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 Site Preparation - 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					19.6608	0.0000	19.6608	10.1030	0.0000	10.1030			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6608	1.2660	20.9268	10.1030	1.1647	11.2678		3,687.308 1	3,687.308 1	1.1926		3,717.121 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	8.3800e-003	0.5759	0.1340	2.5100e-003	0.0729	4.5700e-003	0.0775	0.0200	4.3800e-003	0.0244		274.2547	274.2547	9.0000e-003	0.0435	287.4309
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0499	0.0345	0.4121	1.1900e-003	0.1479	7.3000e-004	0.1486	0.0392	6.8000e-004	0.0399		121.8929	121.8929	3.7600e-003	3.5800e-003	123.0546
Total	0.0583	0.6104	0.5461	3.7000e-003	0.2208	5.3000e-003	0.2261	0.0592	5.0600e-003	0.0643		396.1476	396.1476	0.0128	0.0470	410.4855

420 E. 3rd Street - 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 Site Preparation - 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					19.6608	0.0000	19.6608	10.1030	0.0000	10.1030			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6608	1.2660	20.9268	10.1030	1.1647	11.2678	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 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	8.3800e-003	0.5759	0.1340	2.5100e-003	0.0729	4.5700e-003	0.0775	0.0200	4.3800e-003	0.0244		274.2547	274.2547	9.0000e-003	0.0435	287.4309
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0499	0.0345	0.4121	1.1900e-003	0.1479	7.3000e-004	0.1486	0.0392	6.8000e-004	0.0399		121.8929	121.8929	3.7600e-003	3.5800e-003	123.0546
Total	0.0583	0.6104	0.5461	3.7000e-003	0.2208	5.3000e-003	0.2261	0.0592	5.0600e-003	0.0643		396.1476	396.1476	0.0128	0.0470	410.4855

420 E. 3rd Street - 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 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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0265	1.1806	0.3606	5.1900e-003	0.1761	6.8400e-003	0.1829	0.0507	6.5400e-003	0.0572		557.3952	557.3952	0.0114	0.0825	582.2587
Worker	0.2394	0.1574	1.9701	5.8900e-003	0.7558	3.5700e-003	0.7593	0.2005	3.2900e-003	0.2038		607.6483	607.6483	0.0174	0.0171	613.1686
Total	0.2659	1.3380	2.3307	0.0111	0.9319	0.0104	0.9423	0.2512	9.8300e-003	0.2610		1,165.0435	1,165.0435	0.0289	0.0995	1,195.4273

420 E. 3rd Street - 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 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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0265	1.1806	0.3606	5.1900e-003	0.1761	6.8400e-003	0.1829	0.0507	6.5400e-003	0.0572		557.3952	557.3952	0.0114	0.0825	582.2587
Worker	0.2394	0.1574	1.9701	5.8900e-003	0.7558	3.5700e-003	0.7593	0.2005	3.2900e-003	0.2038		607.6483	607.6483	0.0174	0.0171	613.1686
Total	0.2659	1.3380	2.3307	0.0111	0.9319	0.0104	0.9423	0.2512	9.8300e-003	0.2610		1,165.0435	1,165.0435	0.0289	0.0995	1,195.4273

420 E. 3rd Street - 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 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0258	1.1762	0.3543	5.1000e-003	0.1761	6.8300e-003	0.1829	0.0507	6.5300e-003	0.0572		547.4911	547.4911	0.0114	0.0810	571.9050
Worker	0.2256	0.1418	1.8515	5.6900e-003	0.7558	3.4200e-003	0.7592	0.2005	3.1400e-003	0.2036		593.1352	593.1352	0.0159	0.0160	598.2966
Total	0.2514	1.3180	2.2059	0.0108	0.9319	0.0103	0.9421	0.2512	9.6700e-003	0.2608		1,140.626 3	1,140.626 3	0.0272	0.0970	1,170.201 6

420 E. 3rd Street - 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 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0258	1.1762	0.3543	5.1000e-003	0.1761	6.8300e-003	0.1829	0.0507	6.5300e-003	0.0572		547.4911	547.4911	0.0114	0.0810	571.9050
Worker	0.2256	0.1418	1.8515	5.6900e-003	0.7558	3.4200e-003	0.7592	0.2005	3.1400e-003	0.2036		593.1352	593.1352	0.0159	0.0160	598.2966
Total	0.2514	1.3180	2.2059	0.0108	0.9319	0.0103	0.9421	0.2512	9.6700e-003	0.2608		1,140.626 3	1,140.626 3	0.0272	0.0970	1,170.201 6

420 E. 3rd Street - 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 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0252	1.1693	0.3493	5.0100e-003	0.1761	6.7900e-003	0.1829	0.0507	6.5000e-003	0.0572		537.4696	537.4696	0.0113	0.0794	561.4256
Worker	0.2138	0.1291	1.7523	5.5200e-003	0.7558	3.2600e-003	0.7590	0.2005	3.0000e-003	0.2035		579.6593	579.6593	0.0145	0.0151	584.5247
Total	0.2390	1.2985	2.1016	0.0105	0.9319	0.0101	0.9419	0.2512	9.5000e-003	0.2607		1,117.129 0	1,117.129 0	0.0258	0.0946	1,145.950 3

420 E. 3rd Street - 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 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0252	1.1693	0.3493	5.0100e-003	0.1761	6.7900e-003	0.1829	0.0507	6.5000e-003	0.0572		537.4696	537.4696	0.0113	0.0794	561.4256
Worker	0.2138	0.1291	1.7523	5.5200e-003	0.7558	3.2600e-003	0.7590	0.2005	3.0000e-003	0.2035		579.6593	579.6593	0.0145	0.0151	584.5247
Total	0.2390	1.2985	2.1016	0.0105	0.9319	0.0101	0.9419	0.2512	9.5000e-003	0.2607		1,117.129 0	1,117.129 0	0.0258	0.0946	1,145.950 3

420 E. 3rd Street - 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 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0246	1.1612	0.3449	4.9000e-003	0.1761	6.7400e-003	0.1829	0.0507	6.4500e-003	0.0572		526.6440	526.6440	0.0112	0.0778	550.1104
Worker	0.2030	0.1185	1.6679	5.3600e-003	0.7558	3.0700e-003	0.7588	0.2005	2.8300e-003	0.2033		567.4372	567.4372	0.0133	0.0144	572.0544
Total	0.2277	1.2797	2.0128	0.0103	0.9319	9.8100e-003	0.9417	0.2512	9.2800e-003	0.2604		1,094.081 2	1,094.081 2	0.0245	0.0922	1,122.164 8

420 E. 3rd Street - 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 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0246	1.1612	0.3449	4.9000e-003	0.1761	6.7400e-003	0.1829	0.0507	6.4500e-003	0.0572		526.6440	526.6440	0.0112	0.0778	550.1104
Worker	0.2030	0.1185	1.6679	5.3600e-003	0.7558	3.0700e-003	0.7588	0.2005	2.8300e-003	0.2033		567.4372	567.4372	0.0133	0.0144	572.0544
Total	0.2277	1.2797	2.0128	0.0103	0.9319	9.8100e-003	0.9417	0.2512	9.2800e-003	0.2604		1,094.081 2	1,094.081 2	0.0245	0.0922	1,122.164 8

420 E. 3rd Street - 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 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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	9.2036	1.4245	10.6281	3.6538	1.3105	4.9643		6,011.4777	6,011.4777	1.9442		6,060.0836

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0555	0.0383	0.4579	1.3200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		135.4366	135.4366	4.1800e-003	3.9800e-003	136.7273
Total	0.0555	0.0383	0.4579	1.3200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		135.4366	135.4366	4.1800e-003	3.9800e-003	136.7273

420 E. 3rd Street - 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 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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	9.2036	1.4245	10.6281	3.6538	1.3105	4.9643	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0555	0.0383	0.4579	1.3200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		135.4366	135.4366	4.1800e-003	3.9800e-003	136.7273
Total	0.0555	0.0383	0.4579	1.3200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		135.4366	135.4366	4.1800e-003	3.9800e-003	136.7273

420 E. 3rd Street - 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 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	3.2181	32.3770	27.7228	0.0621	9.2036	1.3354	10.5390	3.6538	1.2286	4.8823		6,009.7487	6,009.7487	1.9437		6,058.3405

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0520	0.0342	0.4283	1.2800e-003	0.1643	7.8000e-004	0.1651	0.0436	7.1000e-004	0.0443		132.0975	132.0975	3.7900e-003	3.7100e-003	133.2975
Total	0.0520	0.0342	0.4283	1.2800e-003	0.1643	7.8000e-004	0.1651	0.0436	7.1000e-004	0.0443		132.0975	132.0975	3.7900e-003	3.7100e-003	133.2975

420 E. 3rd Street - 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 Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	3.2181	32.3770	27.7228	0.0621	9.2036	1.3354	10.5390	3.6538	1.2286	4.8823	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0520	0.0342	0.4283	1.2800e-003	0.1643	7.8000e-004	0.1651	0.0436	7.1000e-004	0.0443		132.0975	132.0975	3.7900e-003	3.7100e-003	133.2975
Total	0.0520	0.0342	0.4283	1.2800e-003	0.1643	7.8000e-004	0.1651	0.0436	7.1000e-004	0.0443		132.0975	132.0975	3.7900e-003	3.7100e-003	133.2975

420 E. 3rd Street - 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 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

Unmitigated Construction Off-Site

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

420 E. 3rd Street - 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 Paving - 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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

Mitigated Construction Off-Site

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

420 E. 3rd Street - 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 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	6.6845					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	6.8652	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	0.0468	0.0308	0.3855	1.1500e-003	0.1479	7.0000e-004	0.1486	0.0392	6.4000e-004	0.0399		118.8877	118.8877	3.4100e-003	3.3400e-003	119.9678
Total	0.0468	0.0308	0.3855	1.1500e-003	0.1479	7.0000e-004	0.1486	0.0392	6.4000e-004	0.0399		118.8877	118.8877	3.4100e-003	3.3400e-003	119.9678

420 E. 3rd Street - 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 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	6.6845					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	6.8652	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	0.0468	0.0308	0.3855	1.1500e-003	0.1479	7.0000e-004	0.1486	0.0392	6.4000e-004	0.0399		118.8877	118.8877	3.4100e-003	3.3400e-003	119.9678
Total	0.0468	0.0308	0.3855	1.1500e-003	0.1479	7.0000e-004	0.1486	0.0392	6.4000e-004	0.0399		118.8877	118.8877	3.4100e-003	3.3400e-003	119.9678

420 E. 3rd Street - 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 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.6845					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	6.8553	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0441	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

420 E. 3rd Street - 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 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.6845					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	6.8553	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0441	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

420 E. 3rd Street - 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 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.6845					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	6.8553	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0418	0.0253	0.3428	1.0800e-003	0.1479	6.4000e-004	0.1485	0.0392	5.9000e-004	0.0398		113.4116	113.4116	2.8400e-003	2.9600e-003	114.3635
Total	0.0418	0.0253	0.3428	1.0800e-003	0.1479	6.4000e-004	0.1485	0.0392	5.9000e-004	0.0398		113.4116	113.4116	2.8400e-003	2.9600e-003	114.3635

420 E. 3rd Street - 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 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.6845					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	6.8553	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0418	0.0253	0.3428	1.0800e-003	0.1479	6.4000e-004	0.1485	0.0392	5.9000e-004	0.0398		113.4116	113.4116	2.8400e-003	2.9600e-003	114.3635
Total	0.0418	0.0253	0.3428	1.0800e-003	0.1479	6.4000e-004	0.1485	0.0392	5.9000e-004	0.0398		113.4116	113.4116	2.8400e-003	2.9600e-003	114.3635

420 E. 3rd Street - 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 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.6845					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	6.8553	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0397	0.0232	0.3263	1.0500e-003	0.1479	6.0000e-004	0.1485	0.0392	5.5000e-004	0.0398		111.0203	111.0203	2.6100e-003	2.8100e-003	111.9237
Total	0.0397	0.0232	0.3263	1.0500e-003	0.1479	6.0000e-004	0.1485	0.0392	5.5000e-004	0.0398		111.0203	111.0203	2.6100e-003	2.8100e-003	111.9237

420 E. 3rd Street - 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 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.6845					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	6.8553	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0397	0.0232	0.3263	1.0500e-003	0.1479	6.0000e-004	0.1485	0.0392	5.5000e-004	0.0398		111.0203	111.0203	2.6100e-003	2.8100e-003	111.9237
Total	0.0397	0.0232	0.3263	1.0500e-003	0.1479	6.0000e-004	0.1485	0.0392	5.5000e-004	0.0398		111.0203	111.0203	2.6100e-003	2.8100e-003	111.9237

420 E. 3rd Street - 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	4.2285	4.8804	42.4233	0.0829	10.1465	0.0601	10.2066	2.7026	0.0560	2.7586		8,754.4136	8,754.4136	0.5844	0.4279	8,896.5331
Unmitigated	4.2285	4.8804	42.4233	0.0829	10.1465	0.0601	10.2066	2.7026	0.0560	2.7586		8,754.4136	8,754.4136	0.5844	0.4279	8,896.5331

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	135.00	135.00	135.00	311,797	311,797
General Office Building	0.00	0.00	0.00		
Single Family Housing	1,952.01	1,952.01	1,952.01	4,508,377	4,508,377
Total	2,087.01	2,087.01	2,087.01	4,820,174	4,820,174

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

420 E. 3rd Street - Bay Area AQMD Air District, Winter

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.554639	0.059030	0.188043	0.120453	0.022437	0.005729	0.010970	0.007473	0.000973	0.000534	0.026133	0.000855	0.002730
General Office Building	0.554639	0.059030	0.188043	0.120453	0.022437	0.005729	0.010970	0.007473	0.000973	0.000534	0.026133	0.000855	0.002730
Single Family Housing	0.554639	0.059030	0.188043	0.120453	0.022437	0.005729	0.010970	0.007473	0.000973	0.000534	0.026133	0.000855	0.002730

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1727	1.4782	0.6442	9.4200e-003		0.1193	0.1193		0.1193	0.1193		1,884.2065	1,884.2065	0.0361	0.0345	1,895.4034
NaturalGas Unmitigated	0.1727	1.4782	0.6442	9.4200e-003		0.1193	0.1193		0.1193	0.1193		1,884.2065	1,884.2065	0.0361	0.0345	1,895.4034

420 E. 3rd Street - 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 Low Rise	540.701	5.8300e-003	0.0498	0.0212	3.2000e-004		4.0300e-003	4.0300e-003		4.0300e-003	4.0300e-003		63.6119	63.6119	1.2200e-003	1.1700e-003	63.9899
General Office Building	372.822	4.0200e-003	0.0366	0.0307	2.2000e-004		2.7800e-003	2.7800e-003		2.7800e-003	2.7800e-003		43.8614	43.8614	8.4000e-004	8.0000e-004	44.1221
Single Family Housing	15102.2	0.1629	1.3918	0.5922	8.8800e-003		0.1125	0.1125		0.1125	0.1125		1,776.7332	1,776.7332	0.0341	0.0326	1,787.2915
Total		0.1727	1.4782	0.6441	9.4200e-003		0.1193	0.1193		0.1193	0.1193		1,884.2065	1,884.2065	0.0361	0.0345	1,895.4034

420 E. 3rd Street - 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 - Natural Gas

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.540701	5.8300e-003	0.0498	0.0212	3.2000e-004		4.0300e-003	4.0300e-003		4.0300e-003	4.0300e-003		63.6119	63.6119	1.2200e-003	1.1700e-003	63.9899
General Office Building	0.372822	4.0200e-003	0.0366	0.0307	2.2000e-004		2.7800e-003	2.7800e-003		2.7800e-003	2.7800e-003		43.8614	43.8614	8.4000e-004	8.0000e-004	44.1221
Single Family Housing	15.1022	0.1629	1.3918	0.5922	8.8800e-003		0.1125	0.1125		0.1125	0.1125		1,776.7332	1,776.7332	0.0341	0.0326	1,787.2915
Total		0.1727	1.4782	0.6441	9.4200e-003		0.1193	0.1193		0.1193	0.1193		1,884.2065	1,884.2065	0.0361	0.0345	1,895.4034

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

420 E. 3rd Street - 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
Category	lb/day										lb/day					
Mitigated	11.0149	3.0635	19.9228	0.0192		0.3341	0.3341		0.3341	0.3341	0.0000	3,669.4409	3,669.4409	0.1020	0.0667	3,691.8535
Unmitigated	233.4245	4.5278	307.0178	0.5444		40.8779	40.8779		40.8779	40.8779	4,385.7330	1,386.3703	5,772.1033	5.4772	0.3095	6,001.2615

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	1.5383					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.5814					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	222.7429	4.3123	288.3069	0.5434		40.7741	40.7741		40.7741	40.7741	4,385.7330	1,352.6471	5,738.3801	5.4449	0.3095	5,966.7309
Landscaping	0.5618	0.2155	18.7109	9.9000e-004		0.1038	0.1038		0.1038	0.1038		33.7232	33.7232	0.0323		34.5306
Total	233.4245	4.5278	307.0178	0.5444		40.8779	40.8779		40.8779	40.8779	4,385.7330	1,386.3703	5,772.1033	5.4772	0.3095	6,001.2615

420 E. 3rd Street - 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	1.5383					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.5814					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.3333	2.8480	1.2119	0.0182		0.2303	0.2303		0.2303	0.2303	0.0000	3,635.7177	3,635.7177	0.0697	0.0667	3,657.3229
Landscaping	0.5618	0.2155	18.7109	9.9000e-004		0.1038	0.1038		0.1038	0.1038		33.7232	33.7232	0.0323		34.5306
Total	11.0149	3.0635	19.9228	0.0192		0.3341	0.3341		0.3341	0.3341	0.0000	3,669.4409	3,669.4409	0.1020	0.0667	3,691.8535

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

420 E. 3rd Street - 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
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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

420 E. 3rd Street

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

Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

420 E. 3rd Street

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

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	2	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

420 E. 3rd Street

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

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr						Unmitigated mt/yr						
Air Compressors	7.24200E-002	4.86020E-001	7.59900E-001	1.25000E-003	2.22600E-002	2.22600E-002	0.00000E+000	1.07237E+002	1.07237E+002	5.88000E-003	0.00000E+000	1.07384E+002
Cranes	1.16150E-001	1.18541E+000	6.40560E-001	2.12000E-003	5.01900E-002	4.61700E-002	0.00000E+000	1.86306E+002	1.86306E+002	6.02600E-002	0.00000E+000	1.87813E+002
Excavators	3.70800E-002	2.98350E-001	6.52120E-001	1.03000E-003	1.46400E-002	1.34700E-002	0.00000E+000	9.07489E+001	9.07489E+001	2.93500E-002	0.00000E+000	9.14827E+001
Forklifts	1.11060E-001	1.04540E+000	1.42973E+000	1.93000E-003	5.67700E-002	5.22300E-002	0.00000E+000	1.69207E+002	1.69207E+002	5.47200E-002	0.00000E+000	1.70575E+002
Generator Sets	1.13230E-001	1.01682E+000	1.53731E+000	2.76000E-003	4.11600E-002	4.11600E-002	0.00000E+000	2.37387E+002	2.37387E+002	8.92000E-003	0.00000E+000	2.37610E+002
Graders	3.72200E-002	4.45910E-001	1.67850E-001	6.60000E-004	1.44500E-002	1.33000E-002	0.00000E+000	5.81251E+001	5.81251E+001	1.88000E-002	0.00000E+000	5.85951E+001
Pavers	7.34000E-003	6.96700E-002	1.15720E-001	1.90000E-004	3.25000E-003	2.99000E-003	0.00000E+000	1.65167E+001	1.65167E+001	5.34000E-003	0.00000E+000	1.66502E+001
Paving Equipment	6.59000E-003	5.98400E-002	1.02790E-001	1.60000E-004	2.89000E-003	2.66000E-003	0.00000E+000	1.43141E+001	1.43141E+001	4.63000E-003	0.00000E+000	1.44299E+001
Rollers	5.83000E-003	6.09700E-002	7.40000E-002	1.00000E-004	3.23000E-003	2.97000E-003	0.00000E+000	9.22228E+000	9.22228E+000	2.98000E-003	0.00000E+000	9.29685E+000
Rubber Tired Dozers	9.96800E-002	1.03346E+000	4.51380E-001	1.24000E-003	4.65400E-002	4.28200E-002	0.00000E+000	1.08784E+002	1.08784E+002	3.51800E-002	0.00000E+000	1.09664E+002
Scrapers	1.55270E-001	1.61084E+000	1.21414E+000	3.04000E-003	6.33500E-002	5.82800E-002	0.00000E+000	2.66663E+002	2.66663E+002	8.62400E-002	0.00000E+000	2.68819E+002
Tractors/Loaders/Backhoes	1.86670E-001	1.88578E+000	3.03980E+000	4.25000E-003	8.09600E-002	7.44800E-002	0.00000E+000	3.73204E+002	3.73204E+002	1.20700E-001	0.00000E+000	3.76221E+002
Welders	9.34600E-002	5.66450E-001	6.94560E-001	1.07000E-003	1.76500E-002	1.76500E-002	0.00000E+000	7.90527E+001	7.90527E+001	7.61000E-003	0.00000E+000	7.92428E+001

420 E. 3rd Street

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

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr							Mitigated mt/yr					
Air Compressors	7.24200E-002	4.86020E-001	7.59900E-001	1.25000E-003	2.22600E-002	2.22600E-002	0.00000E+000	1.07237E+002	1.07237E+002	5.88000E-003	0.00000E+000	1.07384E+002
Cranes	1.16150E-001	1.18541E+000	6.40560E-001	2.12000E-003	5.01900E-002	4.61700E-002	0.00000E+000	1.86306E+002	1.86306E+002	6.02600E-002	0.00000E+000	1.87812E+002
Excavators	3.70800E-002	2.98350E-001	6.52120E-001	1.03000E-003	1.46400E-002	1.34700E-002	0.00000E+000	9.07488E+001	9.07488E+001	2.93500E-002	0.00000E+000	9.14826E+001
Forklifts	1.11060E-001	1.04539E+000	1.42972E+000	1.93000E-003	5.67700E-002	5.22300E-002	0.00000E+000	1.69207E+002	1.69207E+002	5.47200E-002	0.00000E+000	1.70575E+002
Generator Sets	1.13230E-001	1.01682E+000	1.53730E+000	2.76000E-003	4.11600E-002	4.11600E-002	0.00000E+000	2.37387E+002	2.37387E+002	8.92000E-003	0.00000E+000	2.37610E+002
Graders	3.72200E-002	4.45910E-001	1.67850E-001	6.60000E-004	1.44500E-002	1.33000E-002	0.00000E+000	5.81250E+001	5.81250E+001	1.88000E-002	0.00000E+000	5.85950E+001
Pavers	7.34000E-003	6.96700E-002	1.15720E-001	1.90000E-004	3.25000E-003	2.99000E-003	0.00000E+000	1.65166E+001	1.65166E+001	5.34000E-003	0.00000E+000	1.66502E+001
Paving Equipment	6.59000E-003	5.98400E-002	1.02790E-001	1.60000E-004	2.89000E-003	2.66000E-003	0.00000E+000	1.43141E+001	1.43141E+001	4.63000E-003	0.00000E+000	1.44299E+001
Rollers	5.83000E-003	6.09700E-002	7.40000E-002	1.00000E-004	3.23000E-003	2.97000E-003	0.00000E+000	9.22227E+000	9.22227E+000	2.98000E-003	0.00000E+000	9.29684E+000
Rubber Tired Dozers	9.96800E-002	1.03346E+000	4.51380E-001	1.24000E-003	4.65400E-002	4.28200E-002	0.00000E+000	1.08784E+002	1.08784E+002	3.51800E-002	0.00000E+000	1.09664E+002
Scrapers	1.55270E-001	1.61084E+000	1.21414E+000	3.04000E-003	6.33500E-002	5.82800E-002	0.00000E+000	2.66662E+002	2.66662E+002	8.62400E-002	0.00000E+000	2.68819E+002
Tractors/Loaders/Balckhoes	1.86670E-001	1.88578E+000	3.03980E+000	4.25000E-003	8.09600E-002	7.44800E-002	0.00000E+000	3.73203E+002	3.73203E+002	1.20700E-001	0.00000E+000	3.76221E+002
Welders	9.34600E-002	5.66450E-001	6.94560E-001	1.07000E-003	1.76500E-002	1.76500E-002	0.00000E+000	7.90526E+001	7.90526E+001	7.61000E-003	0.00000E+000	7.92427E+001

420 E. 3rd Street

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

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21227E-006	1.21227E-006	0.00000E+000	0.00000E+000	1.21061E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18085E-006	1.18085E-006	0.00000E+000	0.00000E+000	1.22462E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.10194E-006	1.10194E-006	0.00000E+000	0.00000E+000	1.09310E-006
Forklifts	0.00000E+000	9.56572E-006	6.99433E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18198E-006	1.18198E-006	0.00000E+000	0.00000E+000	1.23113E-006
Generator Sets	0.00000E+000	0.00000E+000	6.50487E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17951E-006	1.17951E-006	0.00000E+000	0.00000E+000	1.17840E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20430E-006	1.20430E-006	0.00000E+000	0.00000E+000	1.19464E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21090E-006	1.21090E-006	0.00000E+000	0.00000E+000	1.20119E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.39722E-006	1.39722E-006	0.00000E+000	0.00000E+000	1.38601E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.08433E-006	1.08433E-006	0.00000E+000	0.00000E+000	1.07563E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19502E-006	1.19502E-006	0.00000E+000	0.00000E+000	1.18544E-006
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20002E-006	1.20002E-006	0.00000E+000	0.00000E+000	1.19039E-006
Tractors/Loaders/Balckhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17898E-006	1.17898E-006	0.00000E+000	0.00000E+000	1.16952E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.13848E-006	1.13848E-006	0.00000E+000	0.00000E+000	1.26194E-006

Fugitive Dust Mitigation

Yes/No Mitigation Measure Mitigation Input Mitigation Input Mitigation Input

No	Soil Stabilizer for unpaved Roads	PM10 Reduction	PM2.5 Reduction	
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420 E. 3rd Street

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

No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	
No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.06	0.02	0.06	0.02	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.38	0.10	0.38	0.10	0.00	0.00
Grading	Fugitive Dust	1.24	0.40	1.24	0.40	0.00	0.00
Grading	Roads	0.02	0.00	0.02	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.29	0.15	0.29	0.15	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

420 E. 3rd Street

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

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	99.85	42.95	99.63	97.35	99.52	99.52	100.00	-168.79	46.06	99.32	78.21	48.38
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.78	3.99	0.02	0.08	1.98
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.06	0.24		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			

420 E. 3rd Street

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

No	Neighborhood Enhancements	Improve Pedestrian Network			
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00		
No	Transit Improvements	Expand Transit Network	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"			
No	Commute	Workplace Parking Charge			
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00

420 E. 3rd Street

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

No	Commuter	Provide Ride Sharing Program			
	Commuter	Commuter Subtotal	0.00		
No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
Yes	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	150.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		

420 E. 3rd Street

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

No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Apply Water Conservation on Strategy	0.00	20.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

420 E. 3rd Street

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

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	