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# Appendix A

## Air Quality and Greenhouse Gas Assessment

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied****1535-1551 Industrial Ave Project****Santa Clara County, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	71.61	1000sqft	1.64	71,610.00	0
Other Non-Asphalt Surfaces	1.56	Acre	1.56	67,953.60	0
Parking Lot	44.00	Space	0.40	17,600.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2024
<b>Utility Company</b>	San Jose Clean Energy				
<b>CO2 Intensity (lb/MWhr)</b>	807.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - 1535-1551 Industrial Ave Project. BAAQMD.

Land Use - 71,610 SF warehouse, 44 parking stalls on a 3.6 acre site.

Construction Phase - Per applicant, construction would commence July 2022 and would finalize March 2023.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

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

Off-road Equipment - No equipment assumed for mobilization.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Trips and VMT - Default trips assumed.

Demolition -

Grading - Site would be balanced.

Architectural Coating -

Vehicle Trips - Updated per traffic report.

Construction Off-road Equipment Mitigation - Water sites twice daily.

Waste Mitigation - Per status report for City's Zero Waste Strategic Plan 2022 - 71% waste diverted

Off-road Equipment - Default equipment assumed.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	158.00
tblConstructionPhase	NumDays	18.00	85.00
tblConstructionPhase	NumDays	18.00	5.00
tblConstructionPhase	PhaseEndDate	5/17/2024	3/22/2023
tblConstructionPhase	PhaseEndDate	6/12/2024	2/7/2023
tblConstructionPhase	PhaseEndDate	7/8/2024	12/2/2022
tblConstructionPhase	PhaseStartDate	7/1/2023	8/15/2022
tblConstructionPhase	PhaseStartDate	5/18/2024	10/12/2022
tblConstructionPhase	PhaseStartDate	6/13/2024	11/28/2022
tblGrading	AcresOfGrading	0.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	PhaseName	Building Construction	Building Construction and Building Power

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

tblOffRoadEquipment	PhaseName	Building Construction	Building Construction and Building Power
tblOffRoadEquipment	PhaseName	Building Construction	Building Construction and Building Power
tblOffRoadEquipment	PhaseName	Building Construction	Building Construction and Building Power
tblOffRoadEquipment	PhaseName	Building Construction	Building Construction and Building Power
tblOnRoadDust	PhaseName	Building Construction	Building Construction and Building Power
tblTripsAndVMT	PhaseName	Building Construction	Building Construction and Building Power
tblTripsAndVMT	WorkerTripNumber	0.00	18.00
tblVehicleTrips	ST_TR	1.74	2.22
tblVehicleTrips	SU_TR	1.74	2.22
tblVehicleTrips	WD_TR	1.74	2.22

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

**2.0 Emissions Summary**

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.5352	1.3078	1.4060	2.6700e-003	0.1209	0.0635	0.1844	0.0503	0.0594	0.1097	0.0000	235.0500	235.0500	0.0502	4.7200e-003	237.7097
2023	0.0645	0.5732	0.6950	1.3300e-003	0.0223	0.0265	0.0487	6.0400e-003	0.0248	0.0308	0.0000	117.5131	117.5131	0.0236	2.5700e-003	118.8697
<b>Maximum</b>	<b>0.5352</b>	<b>1.3078</b>	<b>1.4060</b>	<b>2.6700e-003</b>	<b>0.1209</b>	<b>0.0635</b>	<b>0.1844</b>	<b>0.0503</b>	<b>0.0594</b>	<b>0.1097</b>	<b>0.0000</b>	<b>235.0500</b>	<b>235.0500</b>	<b>0.0502</b>	<b>4.7200e-003</b>	<b>237.7097</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.5352	1.3078	1.4060	2.6700e-003	0.0768	0.0635	0.1404	0.0287	0.0594	0.0881	0.0000	235.0497	235.0497	0.0502	4.7200e-003	237.7095
2023	0.0645	0.5732	0.6950	1.3300e-003	0.0223	0.0265	0.0487	6.0400e-003	0.0248	0.0308	0.0000	117.5130	117.5130	0.0236	2.5700e-003	118.8696
<b>Maximum</b>	<b>0.5352</b>	<b>1.3078</b>	<b>1.4060</b>	<b>2.6700e-003</b>	<b>0.0768</b>	<b>0.0635</b>	<b>0.1404</b>	<b>0.0287</b>	<b>0.0594</b>	<b>0.0881</b>	<b>0.0000</b>	<b>235.0497</b>	<b>235.0497</b>	<b>0.0502</b>	<b>4.7200e-003</b>	<b>237.7095</b>

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	30.78	0.00	18.90	38.32	0.00	15.37	0.00	0.00	0.00	0.00	0.00	0.00

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3244	1.0000e-005	1.0700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0900e-003	2.0900e-003	1.0000e-005	0.0000	2.2300e-003
Energy	1.3300e-003	0.0121	0.0101	7.0000e-005		9.2000e-004	9.2000e-004		9.2000e-004	9.2000e-004	0.0000	107.2593	107.2593	4.1000e-003	7.1000e-004	107.5723
Mobile	0.0687	0.0804	0.6981	1.5400e-003	0.1715	1.0700e-003	0.1726	0.0458	1.0000e-003	0.0468	0.0000	141.7635	141.7635	8.3500e-003	6.3500e-003	143.8633
Waste						0.0000	0.0000		0.0000	0.0000	13.6633	0.0000	13.6633	0.8075	0.0000	33.8503
Water						0.0000	0.0000		0.0000	0.0000	5.2537	32.8397	38.0934	0.5409	0.0129	55.4623
<b>Total</b>	<b>0.3944</b>	<b>0.0925</b>	<b>0.7093</b>	<b>1.6100e-003</b>	<b>0.1715</b>	<b>1.9900e-003</b>	<b>0.1735</b>	<b>0.0458</b>	<b>1.9200e-003</b>	<b>0.0477</b>	<b>18.9170</b>	<b>281.8646</b>	<b>300.7816</b>	<b>1.3609</b>	<b>0.0200</b>	<b>340.7505</b>

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

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3244	1.0000e-005	1.0700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0900e-003	2.0900e-003	1.0000e-005	0.0000	2.2300e-003
Energy	1.3300e-003	0.0121	0.0101	7.0000e-005		9.2000e-004	9.2000e-004		9.2000e-004	9.2000e-004	0.0000	107.2593	107.2593	4.1000e-003	7.1000e-004	107.5723
Mobile	0.0687	0.0804	0.6981	1.5400e-003	0.1715	1.0700e-003	0.1726	0.0458	1.0000e-003	0.0468	0.0000	141.7635	141.7635	8.3500e-003	6.3500e-003	143.8633
Waste						0.0000	0.0000		0.0000	0.0000	3.9624	0.0000	3.9624	0.2342	0.0000	9.8166
Water						0.0000	0.0000		0.0000	0.0000	5.2537	32.8397	38.0934	0.5409	0.0129	55.4623
<b>Total</b>	<b>0.3944</b>	<b>0.0925</b>	<b>0.7093</b>	<b>1.6100e-003</b>	<b>0.1715</b>	<b>1.9900e-003</b>	<b>0.1735</b>	<b>0.0458</b>	<b>1.9200e-003</b>	<b>0.0477</b>	<b>9.2160</b>	<b>281.8646</b>	<b>291.0806</b>	<b>0.7876</b>	<b>0.0200</b>	<b>316.7168</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>51.28</b>	<b>0.00</b>	<b>3.23</b>	<b>42.13</b>	<b>0.00</b>	<b>7.05</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Mobilization	Site Preparation	7/20/2022	7/26/2022	5	5	
2	Prewater	Site Preparation	7/27/2022	8/2/2022	5	5	
3	Grading	Grading	8/3/2022	8/12/2022	5	8	
4	Building Construction and Building Power	Building Construction	8/15/2022	3/22/2023	5	158	
5	Site Work	Paving	10/12/2022	2/7/2023	5	85	
6	Architectural Coating	Architectural Coating	11/28/2022	12/2/2022	5	5	

**Acres of Grading (Site Preparation Phase): 5**

**Acres of Grading (Grading Phase): 8**

**Acres of Paving: 1.96**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 107,415; Non-Residential Outdoor: 35,805; Striped Parking Area: 5,133**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Mobilization	Concrete/Industrial Saws	0	8.00	81	0.73
Mobilization	Excavators	0	8.00	158	0.38
Mobilization	Rubber Tired Dozers	0	8.00	247	0.40
Mobilization	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Prewater	Rubber Tired Dozers	3	8.00	247	0.40
Prewater	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38



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

Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction and Building Power	Cranes	1	7.00	231	0.29
Building Construction and Building Power	Forklifts	3	8.00	89	0.20
Building Construction and Building Power	Generator Sets	1	8.00	84	0.74
Building Construction and Building Power	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction and Building Power	Welders	1	8.00	46	0.45
Site Work	Cement and Mortar Mixers	2	6.00	9	0.56
Site Work	Pavers	1	8.00	130	0.42
Site Work	Paving Equipment	2	6.00	132	0.36
Site Work	Rollers	2	6.00	80	0.38
Site Work	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Mobilization	0	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Prewater	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction and Building Power	9	66.00	26.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Work	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Mobilization - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.6500e-003	0.0000	2.6500e-003	2.9000e-004	0.0000	2.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.6500e-003</b>	<b>0.0000</b>	<b>2.6500e-003</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.2000e-004	9.0000e-005	1.0800e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2804	0.2804	1.0000e-005	1.0000e-005	0.2830
<b>Total</b>	<b>1.2000e-004</b>	<b>9.0000e-005</b>	<b>1.0800e-003</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.2804</b>	<b>0.2804</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2830</b>

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1900e-003	0.0000	1.1900e-003	1.3000e-004	0.0000	1.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.1900e-003</b>	<b>0.0000</b>	<b>1.1900e-003</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.2000e-004	9.0000e-005	1.0800e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2804	0.2804	1.0000e-005	1.0000e-005	0.2830
<b>Total</b>	<b>1.2000e-004</b>	<b>9.0000e-005</b>	<b>1.0800e-003</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.2804</b>	<b>0.2804</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2830</b>

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

**3.3 Prewater - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0491	0.0000	0.0491	0.0253	0.0000	0.0253	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9300e-003	0.0827	0.0492	1.0000e-004		4.0300e-003	4.0300e-003		3.7100e-003	3.7100e-003	0.0000	8.3599	8.3599	2.7000e-003	0.0000	8.4274
<b>Total</b>	<b>7.9300e-003</b>	<b>0.0827</b>	<b>0.0492</b>	<b>1.0000e-004</b>	<b>0.0491</b>	<b>4.0300e-003</b>	<b>0.0532</b>	<b>0.0253</b>	<b>3.7100e-003</b>	<b>0.0290</b>	<b>0.0000</b>	<b>8.3599</b>	<b>8.3599</b>	<b>2.7000e-003</b>	<b>0.0000</b>	<b>8.4274</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.2000e-004	9.0000e-005	1.0800e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2804	0.2804	1.0000e-005	1.0000e-005	0.2830
<b>Total</b>	<b>1.2000e-004</b>	<b>9.0000e-005</b>	<b>1.0800e-003</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.2804</b>	<b>0.2804</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2830</b>

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0221	0.0000	0.0221	0.0114	0.0000	0.0114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9300e-003	0.0827	0.0492	1.0000e-004		4.0300e-003	4.0300e-003		3.7100e-003	3.7100e-003	0.0000	8.3598	8.3598	2.7000e-003	0.0000	8.4274
<b>Total</b>	<b>7.9300e-003</b>	<b>0.0827</b>	<b>0.0492</b>	<b>1.0000e-004</b>	<b>0.0221</b>	<b>4.0300e-003</b>	<b>0.0261</b>	<b>0.0114</b>	<b>3.7100e-003</b>	<b>0.0151</b>	<b>0.0000</b>	<b>8.3598</b>	<b>8.3598</b>	<b>2.7000e-003</b>	<b>0.0000</b>	<b>8.4274</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.2000e-004	9.0000e-005	1.0800e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2804	0.2804	1.0000e-005	1.0000e-005	0.2830
<b>Total</b>	<b>1.2000e-004</b>	<b>9.0000e-005</b>	<b>1.0800e-003</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.2804</b>	<b>0.2804</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2830</b>

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

**3.4 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0283	0.0000	0.0283	0.0137	0.0000	0.0137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7900e-003	0.0834	0.0611	1.2000e-004		3.7600e-003	3.7600e-003		3.4600e-003	3.4600e-003	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062
<b>Total</b>	<b>7.7900e-003</b>	<b>0.0834</b>	<b>0.0611</b>	<b>1.2000e-004</b>	<b>0.0283</b>	<b>3.7600e-003</b>	<b>0.0321</b>	<b>0.0137</b>	<b>3.4600e-003</b>	<b>0.0172</b>	<b>0.0000</b>	<b>10.4219</b>	<b>10.4219</b>	<b>3.3700e-003</b>	<b>0.0000</b>	<b>10.5062</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.6000e-004	1.2000e-004	1.4500e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3739	0.3739	1.0000e-005	1.0000e-005	0.3774
<b>Total</b>	<b>1.6000e-004</b>	<b>1.2000e-004</b>	<b>1.4500e-003</b>	<b>0.0000</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>4.8000e-004</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.3739</b>	<b>0.3739</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.3774</b>

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0128	0.0000	0.0128	6.1600e-003	0.0000	6.1600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7900e-003	0.0834	0.0611	1.2000e-004		3.7600e-003	3.7600e-003		3.4600e-003	3.4600e-003	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062
<b>Total</b>	<b>7.7900e-003</b>	<b>0.0834</b>	<b>0.0611</b>	<b>1.2000e-004</b>	<b>0.0128</b>	<b>3.7600e-003</b>	<b>0.0165</b>	<b>6.1600e-003</b>	<b>3.4600e-003</b>	<b>9.6200e-003</b>	<b>0.0000</b>	<b>10.4219</b>	<b>10.4219</b>	<b>3.3700e-003</b>	<b>0.0000</b>	<b>10.5062</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.6000e-004	1.2000e-004	1.4500e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3739	0.3739	1.0000e-005	1.0000e-005	0.3774
<b>Total</b>	<b>1.6000e-004</b>	<b>1.2000e-004</b>	<b>1.4500e-003</b>	<b>0.0000</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>4.8000e-004</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.3739</b>	<b>0.3739</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.3774</b>

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

**3.5 Building Construction and Building Power - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0853	0.7808	0.8182	1.3500e-003		0.0405	0.0405		0.0381	0.0381	0.0000	115.8626	115.8626	0.0278	0.0000	116.5566
<b>Total</b>	<b>0.0853</b>	<b>0.7808</b>	<b>0.8182</b>	<b>1.3500e-003</b>		<b>0.0405</b>	<b>0.0405</b>		<b>0.0381</b>	<b>0.0381</b>	<b>0.0000</b>	<b>115.8626</b>	<b>115.8626</b>	<b>0.0278</b>	<b>0.0000</b>	<b>116.5566</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.8700e-003	0.0733	0.0214	2.8000e-004	8.5600e-003	7.7000e-004	9.3200e-003	2.4700e-003	7.4000e-004	3.2100e-003	0.0000	26.9637	26.9637	6.1000e-004	3.9800e-003	28.1645
Worker	8.8400e-003	6.4800e-003	0.0795	2.2000e-004	0.0262	1.4000e-004	0.0263	6.9600e-003	1.3000e-004	7.0900e-003	0.0000	20.5624	20.5624	6.4000e-004	6.0000e-004	20.7566
<b>Total</b>	<b>0.0117</b>	<b>0.0798</b>	<b>0.1010</b>	<b>5.0000e-004</b>	<b>0.0347</b>	<b>9.1000e-004</b>	<b>0.0356</b>	<b>9.4300e-003</b>	<b>8.7000e-004</b>	<b>0.0103</b>	<b>0.0000</b>	<b>47.5261</b>	<b>47.5261</b>	<b>1.2500e-003</b>	<b>4.5800e-003</b>	<b>48.9211</b>



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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0853	0.7808	0.8182	1.3500e-003		0.0405	0.0405		0.0381	0.0381	0.0000	115.8625	115.8625	0.0278	0.0000	116.5564
<b>Total</b>	<b>0.0853</b>	<b>0.7808</b>	<b>0.8182</b>	<b>1.3500e-003</b>		<b>0.0405</b>	<b>0.0405</b>		<b>0.0381</b>	<b>0.0381</b>	<b>0.0000</b>	<b>115.8625</b>	<b>115.8625</b>	<b>0.0278</b>	<b>0.0000</b>	<b>116.5564</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.8700e-003	0.0733	0.0214	2.8000e-004	8.5600e-003	7.7000e-004	9.3200e-003	2.4700e-003	7.4000e-004	3.2100e-003	0.0000	26.9637	26.9637	6.1000e-004	3.9800e-003	28.1645
Worker	8.8400e-003	6.4800e-003	0.0795	2.2000e-004	0.0262	1.4000e-004	0.0263	6.9600e-003	1.3000e-004	7.0900e-003	0.0000	20.5624	20.5624	6.4000e-004	6.0000e-004	20.7566
<b>Total</b>	<b>0.0117</b>	<b>0.0798</b>	<b>0.1010</b>	<b>5.0000e-004</b>	<b>0.0347</b>	<b>9.1000e-004</b>	<b>0.0356</b>	<b>9.4300e-003</b>	<b>8.7000e-004</b>	<b>0.0103</b>	<b>0.0000</b>	<b>47.5261</b>	<b>47.5261</b>	<b>1.2500e-003</b>	<b>4.5800e-003</b>	<b>48.9211</b>

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

**3.5 Building Construction and Building Power - 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					
Off-Road	0.0456	0.4172	0.4711	7.8000e-004		0.0203	0.0203		0.0191	0.0191	0.0000	67.2234	67.2234	0.0160	0.0000	67.6232
<b>Total</b>	<b>0.0456</b>	<b>0.4172</b>	<b>0.4711</b>	<b>7.8000e-004</b>		<b>0.0203</b>	<b>0.0203</b>		<b>0.0191</b>	<b>0.0191</b>	<b>0.0000</b>	<b>67.2234</b>	<b>67.2234</b>	<b>0.0160</b>	<b>0.0000</b>	<b>67.6232</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	8.3000e-004	0.0336	0.0106	1.5000e-004	4.9600e-003	2.0000e-004	5.1600e-003	1.4300e-003	1.9000e-004	1.6200e-003	0.0000	14.9918	14.9918	3.2000e-004	2.2000e-003	15.6560
Worker	4.7800e-003	3.3300e-003	0.0427	1.3000e-004	0.0152	8.0000e-005	0.0153	4.0400e-003	7.0000e-005	4.1100e-003	0.0000	11.5566	11.5566	3.3000e-004	3.2000e-004	11.6608
<b>Total</b>	<b>5.6100e-003</b>	<b>0.0369</b>	<b>0.0533</b>	<b>2.8000e-004</b>	<b>0.0201</b>	<b>2.8000e-004</b>	<b>0.0204</b>	<b>5.4700e-003</b>	<b>2.6000e-004</b>	<b>5.7300e-003</b>	<b>0.0000</b>	<b>26.5484</b>	<b>26.5484</b>	<b>6.5000e-004</b>	<b>2.5200e-003</b>	<b>27.3169</b>

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0456	0.4172	0.4711	7.8000e-004		0.0203	0.0203		0.0191	0.0191	0.0000	67.2233	67.2233	0.0160	0.0000	67.6231
<b>Total</b>	<b>0.0456</b>	<b>0.4172</b>	<b>0.4711</b>	<b>7.8000e-004</b>		<b>0.0203</b>	<b>0.0203</b>		<b>0.0191</b>	<b>0.0191</b>	<b>0.0000</b>	<b>67.2233</b>	<b>67.2233</b>	<b>0.0160</b>	<b>0.0000</b>	<b>67.6231</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	8.3000e-004	0.0336	0.0106	1.5000e-004	4.9600e-003	2.0000e-004	5.1600e-003	1.4300e-003	1.9000e-004	1.6200e-003	0.0000	14.9918	14.9918	3.2000e-004	2.2000e-003	15.6560
Worker	4.7800e-003	3.3300e-003	0.0427	1.3000e-004	0.0152	8.0000e-005	0.0153	4.0400e-003	7.0000e-005	4.1100e-003	0.0000	11.5566	11.5566	3.3000e-004	3.2000e-004	11.6608
<b>Total</b>	<b>5.6100e-003</b>	<b>0.0369</b>	<b>0.0533</b>	<b>2.8000e-004</b>	<b>0.0201</b>	<b>2.8000e-004</b>	<b>0.0204</b>	<b>5.4700e-003</b>	<b>2.6000e-004</b>	<b>5.7300e-003</b>	<b>0.0000</b>	<b>26.5484</b>	<b>26.5484</b>	<b>6.5000e-004</b>	<b>2.5200e-003</b>	<b>27.3169</b>

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

**3.6 Site Work - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0283	0.2761	0.3536	5.5000e-004		0.0141	0.0141		0.0131	0.0131	0.0000	47.4900	47.4900	0.0149	0.0000	47.8630
Paving	3.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0287</b>	<b>0.2761</b>	<b>0.3536</b>	<b>5.5000e-004</b>		<b>0.0141</b>	<b>0.0141</b>		<b>0.0131</b>	<b>0.0131</b>	<b>0.0000</b>	<b>47.4900</b>	<b>47.4900</b>	<b>0.0149</b>	<b>0.0000</b>	<b>47.8630</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.5500e-003	1.1400e-003	0.0140	4.0000e-005	4.6000e-003	2.0000e-005	4.6200e-003	1.2200e-003	2.0000e-005	1.2500e-003	0.0000	3.6140	3.6140	1.1000e-004	1.1000e-004	3.6481
<b>Total</b>	<b>1.5500e-003</b>	<b>1.1400e-003</b>	<b>0.0140</b>	<b>4.0000e-005</b>	<b>4.6000e-003</b>	<b>2.0000e-005</b>	<b>4.6200e-003</b>	<b>1.2200e-003</b>	<b>2.0000e-005</b>	<b>1.2500e-003</b>	<b>0.0000</b>	<b>3.6140</b>	<b>3.6140</b>	<b>1.1000e-004</b>	<b>1.1000e-004</b>	<b>3.6481</b>

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0283	0.2761	0.3536	5.5000e-004		0.0141	0.0141		0.0131	0.0131	0.0000	47.4899	47.4899	0.0149	0.0000	47.8630
Paving	3.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0287</b>	<b>0.2761</b>	<b>0.3536</b>	<b>5.5000e-004</b>		<b>0.0141</b>	<b>0.0141</b>		<b>0.0131</b>	<b>0.0131</b>	<b>0.0000</b>	<b>47.4899</b>	<b>47.4899</b>	<b>0.0149</b>	<b>0.0000</b>	<b>47.8630</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.5500e-003	1.1400e-003	0.0140	4.0000e-005	4.6000e-003	2.0000e-005	4.6200e-003	1.2200e-003	2.0000e-005	1.2500e-003	0.0000	3.6140	3.6140	1.1000e-004	1.1000e-004	3.6481
<b>Total</b>	<b>1.5500e-003</b>	<b>1.1400e-003</b>	<b>0.0140</b>	<b>4.0000e-005</b>	<b>4.6000e-003</b>	<b>2.0000e-005</b>	<b>4.6200e-003</b>	<b>1.2200e-003</b>	<b>2.0000e-005</b>	<b>1.2500e-003</b>	<b>0.0000</b>	<b>3.6140</b>	<b>3.6140</b>	<b>1.1000e-004</b>	<b>1.1000e-004</b>	<b>3.6481</b>

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

**3.6 Site Work - 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					
Off-Road	0.0124	0.1187	0.1646	2.6000e-004		5.8800e-003	5.8800e-003		5.4300e-003	5.4300e-003	0.0000	22.1111	22.1111	6.9500e-003	0.0000	22.2848
Paving	1.7000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0126</b>	<b>0.1187</b>	<b>0.1646</b>	<b>2.6000e-004</b>		<b>5.8800e-003</b>	<b>5.8800e-003</b>		<b>5.4300e-003</b>	<b>5.4300e-003</b>	<b>0.0000</b>	<b>22.1111</b>	<b>22.1111</b>	<b>6.9500e-003</b>	<b>0.0000</b>	<b>22.2848</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	6.7000e-004	4.7000e-004	6.0300e-003	2.0000e-005	2.1400e-003	1.0000e-005	2.1500e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.6302	1.6302	5.0000e-005	5.0000e-005	1.6449
<b>Total</b>	<b>6.7000e-004</b>	<b>4.7000e-004</b>	<b>6.0300e-003</b>	<b>2.0000e-005</b>	<b>2.1400e-003</b>	<b>1.0000e-005</b>	<b>2.1500e-003</b>	<b>5.7000e-004</b>	<b>1.0000e-005</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>1.6302</b>	<b>1.6302</b>	<b>5.0000e-005</b>	<b>5.0000e-005</b>	<b>1.6449</b>

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0124	0.1187	0.1646	2.6000e-004		5.8800e-003	5.8800e-003		5.4300e-003	5.4300e-003	0.0000	22.1111	22.1111	6.9500e-003	0.0000	22.2848
Paving	1.7000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0126</b>	<b>0.1187</b>	<b>0.1646</b>	<b>2.6000e-004</b>		<b>5.8800e-003</b>	<b>5.8800e-003</b>		<b>5.4300e-003</b>	<b>5.4300e-003</b>	<b>0.0000</b>	<b>22.1111</b>	<b>22.1111</b>	<b>6.9500e-003</b>	<b>0.0000</b>	<b>22.2848</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	6.7000e-004	4.7000e-004	6.0300e-003	2.0000e-005	2.1400e-003	1.0000e-005	2.1500e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.6302	1.6302	5.0000e-005	5.0000e-005	1.6449
<b>Total</b>	<b>6.7000e-004</b>	<b>4.7000e-004</b>	<b>6.0300e-003</b>	<b>2.0000e-005</b>	<b>2.1400e-003</b>	<b>1.0000e-005</b>	<b>2.1500e-003</b>	<b>5.7000e-004</b>	<b>1.0000e-005</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>1.6302</b>	<b>1.6302</b>	<b>5.0000e-005</b>	<b>5.0000e-005</b>	<b>1.6449</b>

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

**3.7 Architectural Coating - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3912					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
<b>Total</b>	<b>0.3918</b>	<b>3.5200e-003</b>	<b>4.5300e-003</b>	<b>1.0000e-005</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.6383</b>	<b>0.6383</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.6394</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	9.0000e-005	6.0000e-005	7.8000e-004	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2025	0.2025	1.0000e-005	1.0000e-005	0.2044
<b>Total</b>	<b>9.0000e-005</b>	<b>6.0000e-005</b>	<b>7.8000e-004</b>	<b>0.0000</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>2.6000e-004</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.2025</b>	<b>0.2025</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2044</b>



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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3912					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
<b>Total</b>	<b>0.3918</b>	<b>3.5200e-003</b>	<b>4.5300e-003</b>	<b>1.0000e-005</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>		<b>2.0000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.6383</b>	<b>0.6383</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.6394</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	9.0000e-005	6.0000e-005	7.8000e-004	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2025	0.2025	1.0000e-005	1.0000e-005	0.2044
<b>Total</b>	<b>9.0000e-005</b>	<b>6.0000e-005</b>	<b>7.8000e-004</b>	<b>0.0000</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>2.6000e-004</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.2025</b>	<b>0.2025</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2044</b>

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0687	0.0804	0.6981	1.5400e-003	0.1715	1.0700e-003	0.1726	0.0458	1.0000e-003	0.0468	0.0000	141.7635	141.7635	8.3500e-003	6.3500e-003	143.8633
Unmitigated	0.0687	0.0804	0.6981	1.5400e-003	0.1715	1.0700e-003	0.1726	0.0458	1.0000e-003	0.0468	0.0000	141.7635	141.7635	8.3500e-003	6.3500e-003	143.8633

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	158.97	158.97	158.97	464,127	464,127
Total	158.97	158.97	158.97	464,127	464,127

**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
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

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

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.572464	0.055653	0.187060	0.115672	0.020329	0.005102	0.007934	0.006404	0.000900	0.000380	0.024412	0.000914	0.002776
Parking Lot	0.572464	0.055653	0.187060	0.115672	0.020329	0.005102	0.007934	0.006404	0.000900	0.000380	0.024412	0.000914	0.002776
Unrefrigerated Warehouse-No Rail	0.572464	0.055653	0.187060	0.115672	0.020329	0.005102	0.007934	0.006404	0.000900	0.000380	0.024412	0.000914	0.002776

**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	94.1137	94.1137	3.8400e-003	4.7000e-004	94.3487
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	94.1137	94.1137	3.8400e-003	4.7000e-004	94.3487
NaturalGas Mitigated	1.3300e-003	0.0121	0.0101	7.0000e-005		9.2000e-004	9.2000e-004		9.2000e-004	9.2000e-004	0.0000	13.1456	13.1456	2.5000e-004	2.4000e-004	13.2237
NaturalGas Unmitigated	1.3300e-003	0.0121	0.0101	7.0000e-005		9.2000e-004	9.2000e-004		9.2000e-004	9.2000e-004	0.0000	13.1456	13.1456	2.5000e-004	2.4000e-004	13.2237

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	246338	1.3300e-003	0.0121	0.0101	7.0000e-005		9.2000e-004	9.2000e-004		9.2000e-004	9.2000e-004	0.0000	13.1456	13.1456	2.5000e-004	2.4000e-004	13.2237
<b>Total</b>		<b>1.3300e-003</b>	<b>0.0121</b>	<b>0.0101</b>	<b>7.0000e-005</b>		<b>9.2000e-004</b>	<b>9.2000e-004</b>		<b>9.2000e-004</b>	<b>9.2000e-004</b>	<b>0.0000</b>	<b>13.1456</b>	<b>13.1456</b>	<b>2.5000e-004</b>	<b>2.4000e-004</b>	<b>13.2237</b>

**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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	246338	1.3300e-003	0.0121	0.0101	7.0000e-005		9.2000e-004	9.2000e-004		9.2000e-004	9.2000e-004	0.0000	13.1456	13.1456	2.5000e-004	2.4000e-004	13.2237
<b>Total</b>		<b>1.3300e-003</b>	<b>0.0121</b>	<b>0.0101</b>	<b>7.0000e-005</b>		<b>9.2000e-004</b>	<b>9.2000e-004</b>		<b>9.2000e-004</b>	<b>9.2000e-004</b>	<b>0.0000</b>	<b>13.1456</b>	<b>13.1456</b>	<b>2.5000e-004</b>	<b>2.4000e-004</b>	<b>13.2237</b>

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

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	6160	2.2576	9.0000e-005	1.0000e-005	2.2632
Unrefrigerated Warehouse-No Rail	250635	91.8561	3.7500e-003	4.5000e-004	92.0854
<b>Total</b>		<b>94.1137</b>	<b>3.8400e-003</b>	<b>4.6000e-004</b>	<b>94.3487</b>

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

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	6160	2.2576	9.0000e-005	1.0000e-005	2.2632
Unrefrigerated Warehouse-No Rail	250635	91.8561	3.7500e-003	4.5000e-004	92.0854
<b>Total</b>		<b>94.1137</b>	<b>3.8400e-003</b>	<b>4.6000e-004</b>	<b>94.3487</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3244	1.0000e-005	1.0700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0900e-003	2.0900e-003	1.0000e-005	0.0000	2.2300e-003
Unmitigated	0.3244	1.0000e-005	1.0700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0900e-003	2.0900e-003	1.0000e-005	0.0000	2.2300e-003

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

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0391					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2852					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0900e-003	2.0900e-003	1.0000e-005	0.0000	2.2300e-003
<b>Total</b>	<b>0.3244</b>	<b>1.0000e-005</b>	<b>1.0700e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0900e-003</b>	<b>2.0900e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.2300e-003</b>

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

**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	0.0391					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2852					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0900e-003	2.0900e-003	1.0000e-005	0.0000	2.2300e-003
<b>Total</b>	<b>0.3244</b>	<b>1.0000e-005</b>	<b>1.0700e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0900e-003</b>	<b>2.0900e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.2300e-003</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	38.0934	0.5409	0.0129	55.4623
Unmitigated	38.0934	0.5409	0.0129	55.4623



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

**7.2 Water by Land Use**

**Unmitigated**

Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	16.5598 / 0	38.0934	0.5409	0.0129	55.4623
<b>Total</b>		<b>38.0934</b>	<b>0.5409</b>	<b>0.0129</b>	<b>55.4623</b>

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

**Mitigated**

Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	16.5598 / 0	38.0934	0.5409	0.0129	55.4623
<b>Total</b>		<b>38.0934</b>	<b>0.5409</b>	<b>0.0129</b>	<b>55.4623</b>

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.9624	0.2342	0.0000	9.8166
Unmitigated	13.6633	0.8075	0.0000	33.8503

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

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	67.31	13.6633	0.8075	0.0000	33.8503
<b>Total</b>		<b>13.6633</b>	<b>0.8075</b>	<b>0.0000</b>	<b>33.8503</b>

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

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	19.5199	3.9624	0.2342	0.0000	9.8166
<b>Total</b>		<b>3.9624</b>	<b>0.2342</b>	<b>0.0000</b>	<b>9.8166</b>

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

**1535-1551 Industrial Ave Project  
Santa Clara County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	71.61	1000sqft	1.64	71,610.00	0
Other Non-Asphalt Surfaces	1.56	Acre	1.56	67,953.60	0
Parking Lot	44.00	Space	0.40	17,600.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2024
<b>Utility Company</b>	San Jose Clean Energy				
<b>CO2 Intensity (lb/MWhr)</b>	807.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - 1535-1551 Industrial Ave Project. BAAQMD.

Land Use - 71,610 SF warehouse, 44 parking stalls on a 3.6 acre site.

Construction Phase - Per applicant, construction would commence July 2022 and would finalize March 2023.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

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

Off-road Equipment - No equipment assumed for mobilization.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Trips and VMT - Default trips assumed.

Demolition -

Grading - Site would be balanced.

Architectural Coating -

Vehicle Trips - Updated per traffic report.

Construction Off-road Equipment Mitigation - Water sites twice daily.

Waste Mitigation - Per status report for City's Zero Waste Strategic Plan 2022 - 71% waste diverted

Off-road Equipment - Default equipment assumed.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	158.00
tblConstructionPhase	NumDays	18.00	85.00
tblConstructionPhase	NumDays	18.00	5.00
tblConstructionPhase	PhaseEndDate	5/17/2024	3/22/2023
tblConstructionPhase	PhaseEndDate	6/12/2024	2/7/2023
tblConstructionPhase	PhaseEndDate	7/8/2024	12/2/2022
tblConstructionPhase	PhaseStartDate	7/1/2023	8/15/2022
tblConstructionPhase	PhaseStartDate	5/18/2024	10/12/2022
tblConstructionPhase	PhaseStartDate	6/13/2024	11/28/2022
tblGrading	AcresOfGrading	0.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	PhaseName	Building Construction	Building Construction and Building Power

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

tblOffRoadEquipment	PhaseName	Building Construction	Building Construction and Building Power
tblOffRoadEquipment	PhaseName	Building Construction	Building Construction and Building Power
tblOffRoadEquipment	PhaseName	Building Construction	Building Construction and Building Power
tblOffRoadEquipment	PhaseName	Building Construction	Building Construction and Building Power
tblOnRoadDust	PhaseName	Building Construction	Building Construction and Building Power
tblTripsAndVMT	PhaseName	Building Construction	Building Construction and Building Power
tblTripsAndVMT	WorkerTripNumber	0.00	18.00
tblVehicleTrips	ST_TR	1.74	2.22
tblVehicleTrips	SU_TR	1.74	2.22
tblVehicleTrips	WD_TR	1.74	2.22



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

**2.0 Emissions Summary**

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	159.7359	33.1151	33.3854	0.0616	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	5,960.9745	5,960.9745	1.2307	0.1060	6,023.3293
2023	2.7591	24.4267	30.8742	0.0572	0.8826	1.1455	2.0281	0.2381	1.0705	1.3086	0.0000	5,540.9159	5,540.9159	1.2027	0.0984	5,600.3073
<b>Maximum</b>	<b>159.7359</b>	<b>33.1151</b>	<b>33.3854</b>	<b>0.0616</b>	<b>19.8049</b>	<b>1.6133</b>	<b>21.4182</b>	<b>10.1417</b>	<b>1.4843</b>	<b>11.6259</b>	<b>0.0000</b>	<b>5,960.9745</b>	<b>5,960.9745</b>	<b>1.2307</b>	<b>0.1060</b>	<b>6,023.3293</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	159.7359	33.1151	33.3854	0.0616	8.9935	1.6133	10.6068	4.5853	1.4843	6.0696	0.0000	5,960.9745	5,960.9745	1.2307	0.1060	6,023.3293
2023	2.7591	24.4267	30.8742	0.0572	0.8826	1.1455	2.0281	0.2381	1.0705	1.3086	0.0000	5,540.9159	5,540.9159	1.2027	0.0984	5,600.3073
<b>Maximum</b>	<b>159.7359</b>	<b>33.1151</b>	<b>33.3854</b>	<b>0.0616</b>	<b>8.9935</b>	<b>1.6133</b>	<b>10.6068</b>	<b>4.5853</b>	<b>1.4843</b>	<b>6.0696</b>	<b>0.0000</b>	<b>5,960.9745</b>	<b>5,960.9745</b>	<b>1.2307</b>	<b>0.1060</b>	<b>6,023.3293</b>

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	52.26	0.00	46.11	53.53	0.00	42.96	0.00	0.00	0.00	0.00	0.00	0.00

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.7782	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0256	0.0256	7.0000e-005		0.0273
Energy	7.2800e-003	0.0662	0.0556	4.0000e-004		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003		79.4000	79.4000	1.5200e-003	1.4600e-003	79.8718
Mobile	0.4162	0.4072	3.9116	8.9200e-003	0.9759	5.9000e-003	0.9818	0.2598	5.4900e-003	0.2653		906.1617	906.1617	0.0479	0.0365	918.2481
<b>Total</b>	<b>2.2017</b>	<b>0.4734</b>	<b>3.9791</b>	<b>9.3200e-003</b>	<b>0.9759</b>	<b>0.0110</b>	<b>0.9868</b>	<b>0.2598</b>	<b>0.0106</b>	<b>0.2703</b>		<b>985.5873</b>	<b>985.5873</b>	<b>0.0495</b>	<b>0.0380</b>	<b>998.1473</b>



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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Mobilization	Site Preparation	7/20/2022	7/26/2022	5	5	
2	Prewater	Site Preparation	7/27/2022	8/2/2022	5	5	
3	Grading	Grading	8/3/2022	8/12/2022	5	8	
4	Building Construction and Building Power	Building Construction	8/15/2022	3/22/2023	5	158	
5	Site Work	Paving	10/12/2022	2/7/2023	5	85	
6	Architectural Coating	Architectural Coating	11/28/2022	12/2/2022	5	5	

**Acres of Grading (Site Preparation Phase): 5**

**Acres of Grading (Grading Phase): 8**

**Acres of Paving: 1.96**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 107,415; Non-Residential Outdoor: 35,805; Striped Parking Area: 5,133**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Mobilization	Concrete/Industrial Saws	0	8.00	81	0.73
Mobilization	Excavators	0	8.00	158	0.38
Mobilization	Rubber Tired Dozers	0	8.00	247	0.40
Mobilization	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Prewater	Rubber Tired Dozers	3	8.00	247	0.40
Prewater	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38

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

Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction and Building Power	Cranes	1	7.00	231	0.29
Building Construction and Building Power	Forklifts	3	8.00	89	0.20
Building Construction and Building Power	Generator Sets	1	8.00	84	0.74
Building Construction and Building Power	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction and Building Power	Welders	1	8.00	46	0.45
Site Work	Cement and Mortar Mixers	2	6.00	9	0.56
Site Work	Pavers	1	8.00	130	0.42
Site Work	Paving Equipment	2	6.00	132	0.36
Site Work	Rollers	2	6.00	80	0.38
Site Work	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Mobilization	0	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Prewater	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction and Building Power	9	66.00	26.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Work	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Mobilization - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0605</b>	<b>0.0000</b>	<b>1.0605</b>	<b>0.1145</b>	<b>0.0000</b>	<b>0.1145</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0510	0.0316	0.4714	1.3100e-003	0.1479	7.4000e-004	0.1486	0.0392	6.9000e-004	0.0399		131.9484	131.9484	3.6000e-003	3.3400e-003	133.0332
<b>Total</b>	<b>0.0510</b>	<b>0.0316</b>	<b>0.4714</b>	<b>1.3100e-003</b>	<b>0.1479</b>	<b>7.4000e-004</b>	<b>0.1486</b>	<b>0.0392</b>	<b>6.9000e-004</b>	<b>0.0399</b>		<b>131.9484</b>	<b>131.9484</b>	<b>3.6000e-003</b>	<b>3.3400e-003</b>	<b>133.0332</b>

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4772	0.0000	0.4772	0.0515	0.0000	0.0515			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.4772</b>	<b>0.0000</b>	<b>0.4772</b>	<b>0.0515</b>	<b>0.0000</b>	<b>0.0515</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0510	0.0316	0.4714	1.3100e-003	0.1479	7.4000e-004	0.1486	0.0392	6.9000e-004	0.0399		131.9484	131.9484	3.6000e-003	3.3400e-003	133.0332
<b>Total</b>	<b>0.0510</b>	<b>0.0316</b>	<b>0.4714</b>	<b>1.3100e-003</b>	<b>0.1479</b>	<b>7.4000e-004</b>	<b>0.1486</b>	<b>0.0392</b>	<b>6.9000e-004</b>	<b>0.0399</b>		<b>131.9484</b>	<b>131.9484</b>	<b>3.6000e-003</b>	<b>3.3400e-003</b>	<b>133.0332</b>

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

**3.3 Prewater - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>19.6570</b>	<b>1.6126</b>	<b>21.2696</b>	<b>10.1025</b>	<b>1.4836</b>	<b>11.5860</b>		<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0510	0.0316	0.4714	1.3100e-003	0.1479	7.4000e-004	0.1486	0.0392	6.9000e-004	0.0399		131.9484	131.9484	3.6000e-003	3.3400e-003	133.0332
<b>Total</b>	<b>0.0510</b>	<b>0.0316</b>	<b>0.4714</b>	<b>1.3100e-003</b>	<b>0.1479</b>	<b>7.4000e-004</b>	<b>0.1486</b>	<b>0.0392</b>	<b>6.9000e-004</b>	<b>0.0399</b>		<b>131.9484</b>	<b>131.9484</b>	<b>3.6000e-003</b>	<b>3.3400e-003</b>	<b>133.0332</b>



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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>8.8457</b>	<b>1.6126</b>	<b>10.4582</b>	<b>4.5461</b>	<b>1.4836</b>	<b>6.0297</b>	<b>0.0000</b>	<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0510	0.0316	0.4714	1.3100e-003	0.1479	7.4000e-004	0.1486	0.0392	6.9000e-004	0.0399		131.9484	131.9484	3.6000e-003	3.3400e-003	133.0332
<b>Total</b>	<b>0.0510</b>	<b>0.0316</b>	<b>0.4714</b>	<b>1.3100e-003</b>	<b>0.1479</b>	<b>7.4000e-004</b>	<b>0.1486</b>	<b>0.0392</b>	<b>6.9000e-004</b>	<b>0.0399</b>		<b>131.9484</b>	<b>131.9484</b>	<b>3.6000e-003</b>	<b>3.3400e-003</b>	<b>133.0332</b>

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

**3.4 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>7.0826</b>	<b>0.9409</b>	<b>8.0234</b>	<b>3.4247</b>	<b>0.8656</b>	<b>4.2903</b>		<b>2,872.0464</b>	<b>2,872.0464</b>	<b>0.9289</b>		<b>2,895.2684</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0425	0.0263	0.3928	1.0900e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333		109.9570	109.9570	3.0000e-003	2.7800e-003	110.8610
<b>Total</b>	<b>0.0425</b>	<b>0.0263</b>	<b>0.3928</b>	<b>1.0900e-003</b>	<b>0.1232</b>	<b>6.2000e-004</b>	<b>0.1238</b>	<b>0.0327</b>	<b>5.7000e-004</b>	<b>0.0333</b>		<b>109.9570</b>	<b>109.9570</b>	<b>3.0000e-003</b>	<b>2.7800e-003</b>	<b>110.8610</b>

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1872	0.0000	3.1872	1.5411	0.0000	1.5411			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>3.1872</b>	<b>0.9409</b>	<b>4.1280</b>	<b>1.5411</b>	<b>0.8656</b>	<b>2.4067</b>	<b>0.0000</b>	<b>2,872.0464</b>	<b>2,872.0464</b>	<b>0.9289</b>		<b>2,895.2684</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0425	0.0263	0.3928	1.0900e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333		109.9570	109.9570	3.0000e-003	2.7800e-003	110.8610
<b>Total</b>	<b>0.0425</b>	<b>0.0263</b>	<b>0.3928</b>	<b>1.0900e-003</b>	<b>0.1232</b>	<b>6.2000e-004</b>	<b>0.1238</b>	<b>0.0327</b>	<b>5.7000e-004</b>	<b>0.0333</b>		<b>109.9570</b>	<b>109.9570</b>	<b>3.0000e-003</b>	<b>2.7800e-003</b>	<b>110.8610</b>

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

**3.5 Building Construction and Building Power - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0580	1.4154	0.4219	5.5400e-003	0.1761	0.0154	0.1915	0.0507	0.0147	0.0654		594.3469	594.3469	0.0135	0.0876	620.7992
Worker	0.1869	0.1158	1.7284	4.7900e-003	0.5422	2.7300e-003	0.5449	0.1438	2.5100e-003	0.1463		483.8109	483.8109	0.0132	0.0122	487.7885
<b>Total</b>	<b>0.2449</b>	<b>1.5312</b>	<b>2.1502</b>	<b>0.0103</b>	<b>0.7183</b>	<b>0.0181</b>	<b>0.7364</b>	<b>0.1945</b>	<b>0.0172</b>	<b>0.2117</b>		<b>1,078.1578</b>	<b>1,078.1578</b>	<b>0.0267</b>	<b>0.0999</b>	<b>1,108.5877</b>

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0580	1.4154	0.4219	5.5400e-003	0.1761	0.0154	0.1915	0.0507	0.0147	0.0654		594.3469	594.3469	0.0135	0.0876	620.7992
Worker	0.1869	0.1158	1.7284	4.7900e-003	0.5422	2.7300e-003	0.5449	0.1438	2.5100e-003	0.1463		483.8109	483.8109	0.0132	0.0122	487.7885
<b>Total</b>	<b>0.2449</b>	<b>1.5312</b>	<b>2.1502</b>	<b>0.0103</b>	<b>0.7183</b>	<b>0.0181</b>	<b>0.7364</b>	<b>0.1945</b>	<b>0.0172</b>	<b>0.2117</b>		<b>1,078.1578</b>	<b>1,078.1578</b>	<b>0.0267</b>	<b>0.0999</b>	<b>1,108.5877</b>

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

**3.5 Building Construction and Building Power - 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					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0291	1.1176	0.3592	5.3100e-003	0.1761	6.7900e-003	0.1829	0.0507	6.4900e-003	0.0572		569.5093	569.5093	0.0120	0.0836	594.7253
Worker	0.1740	0.1027	1.5967	4.6400e-003	0.5422	2.5900e-003	0.5448	0.1438	2.3800e-003	0.1462		468.7276	468.7276	0.0119	0.0114	472.4094
<b>Total</b>	<b>0.2032</b>	<b>1.2203</b>	<b>1.9559</b>	<b>9.9500e-003</b>	<b>0.7183</b>	<b>9.3800e-003</b>	<b>0.7277</b>	<b>0.1945</b>	<b>8.8700e-003</b>	<b>0.2034</b>		<b>1,038.2369</b>	<b>1,038.2369</b>	<b>0.0240</b>	<b>0.0950</b>	<b>1,067.1346</b>

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0291	1.1176	0.3592	5.3100e-003	0.1761	6.7900e-003	0.1829	0.0507	6.4900e-003	0.0572		569.5093	569.5093	0.0120	0.0836	594.7253
Worker	0.1740	0.1027	1.5967	4.6400e-003	0.5422	2.5900e-003	0.5448	0.1438	2.3800e-003	0.1462		468.7276	468.7276	0.0119	0.0114	472.4094
<b>Total</b>	<b>0.2032</b>	<b>1.2203</b>	<b>1.9559</b>	<b>9.9500e-003</b>	<b>0.7183</b>	<b>9.3800e-003</b>	<b>0.7277</b>	<b>0.1945</b>	<b>8.8700e-003</b>	<b>0.2034</b>		<b>1,038.2369</b>	<b>1,038.2369</b>	<b>0.0240</b>	<b>0.0950</b>	<b>1,067.1346</b>

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

**3.6 Site Work - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.0123					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9888</b>	<b>9.5221</b>	<b>12.1940</b>	<b>0.0189</b>		<b>0.4877</b>	<b>0.4877</b>		<b>0.4504</b>	<b>0.4504</b>		<b>1,805.1297</b>	<b>1,805.1297</b>	<b>0.5672</b>		<b>1,819.3091</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0566	0.0351	0.5238	1.4500e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443		146.6094	146.6094	4.0100e-003	3.7100e-003	147.8147
<b>Total</b>	<b>0.0566</b>	<b>0.0351</b>	<b>0.5238</b>	<b>1.4500e-003</b>	<b>0.1643</b>	<b>8.3000e-004</b>	<b>0.1651</b>	<b>0.0436</b>	<b>7.6000e-004</b>	<b>0.0443</b>		<b>146.6094</b>	<b>146.6094</b>	<b>4.0100e-003</b>	<b>3.7100e-003</b>	<b>147.8147</b>



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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.0123					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9888</b>	<b>9.5221</b>	<b>12.1940</b>	<b>0.0189</b>		<b>0.4877</b>	<b>0.4877</b>		<b>0.4504</b>	<b>0.4504</b>	<b>0.0000</b>	<b>1,805.1297</b>	<b>1,805.1297</b>	<b>0.5672</b>		<b>1,819.3091</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0566	0.0351	0.5238	1.4500e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443		146.6094	146.6094	4.0100e-003	3.7100e-003	147.8147
<b>Total</b>	<b>0.0566</b>	<b>0.0351</b>	<b>0.5238</b>	<b>1.4500e-003</b>	<b>0.1643</b>	<b>8.3000e-004</b>	<b>0.1651</b>	<b>0.0436</b>	<b>7.6000e-004</b>	<b>0.0443</b>		<b>146.6094</b>	<b>146.6094</b>	<b>4.0100e-003</b>	<b>3.7100e-003</b>	<b>147.8147</b>

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

**3.6 Site Work - 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					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0123					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9304</b>	<b>8.7903</b>	<b>12.1905</b>	<b>0.0189</b>		<b>0.4357</b>	<b>0.4357</b>		<b>0.4025</b>	<b>0.4025</b>		<b>1,805.4304</b>	<b>1,805.4304</b>	<b>0.5673</b>		<b>1,819.6122</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0527	0.0311	0.4839	1.4100e-003	0.1643	7.9000e-004	0.1651	0.0436	7.2000e-004	0.0443		142.0387	142.0387	3.6100e-003	3.4400e-003	143.1544
<b>Total</b>	<b>0.0527</b>	<b>0.0311</b>	<b>0.4839</b>	<b>1.4100e-003</b>	<b>0.1643</b>	<b>7.9000e-004</b>	<b>0.1651</b>	<b>0.0436</b>	<b>7.2000e-004</b>	<b>0.0443</b>		<b>142.0387</b>	<b>142.0387</b>	<b>3.6100e-003</b>	<b>3.4400e-003</b>	<b>143.1544</b>

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0123					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9304</b>	<b>8.7903</b>	<b>12.1905</b>	<b>0.0189</b>		<b>0.4357</b>	<b>0.4357</b>		<b>0.4025</b>	<b>0.4025</b>	<b>0.0000</b>	<b>1,805.4304</b>	<b>1,805.4304</b>	<b>0.5673</b>		<b>1,819.6122</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0527	0.0311	0.4839	1.4100e-003	0.1643	7.9000e-004	0.1651	0.0436	7.2000e-004	0.0443		142.0387	142.0387	3.6100e-003	3.4400e-003	143.1544
<b>Total</b>	<b>0.0527</b>	<b>0.0311</b>	<b>0.4839</b>	<b>1.4100e-003</b>	<b>0.1643</b>	<b>7.9000e-004</b>	<b>0.1651</b>	<b>0.0436</b>	<b>7.2000e-004</b>	<b>0.0443</b>		<b>142.0387</b>	<b>142.0387</b>	<b>3.6100e-003</b>	<b>3.4400e-003</b>	<b>143.1544</b>

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

**3.7 Architectural Coating - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	156.4980					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>156.7025</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0368	0.0228	0.3404	9.4000e-004	0.1068	5.4000e-004	0.1073	0.0283	5.0000e-004	0.0288		95.2961	95.2961	2.6000e-003	2.4100e-003	96.0796
<b>Total</b>	<b>0.0368</b>	<b>0.0228</b>	<b>0.3404</b>	<b>9.4000e-004</b>	<b>0.1068</b>	<b>5.4000e-004</b>	<b>0.1073</b>	<b>0.0283</b>	<b>5.0000e-004</b>	<b>0.0288</b>		<b>95.2961</b>	<b>95.2961</b>	<b>2.6000e-003</b>	<b>2.4100e-003</b>	<b>96.0796</b>

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	156.4980					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>156.7025</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0368	0.0228	0.3404	9.4000e-004	0.1068	5.4000e-004	0.1073	0.0283	5.0000e-004	0.0288		95.2961	95.2961	2.6000e-003	2.4100e-003	96.0796
<b>Total</b>	<b>0.0368</b>	<b>0.0228</b>	<b>0.3404</b>	<b>9.4000e-004</b>	<b>0.1068</b>	<b>5.4000e-004</b>	<b>0.1073</b>	<b>0.0283</b>	<b>5.0000e-004</b>	<b>0.0288</b>		<b>95.2961</b>	<b>95.2961</b>	<b>2.6000e-003</b>	<b>2.4100e-003</b>	<b>96.0796</b>

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day											lb/day					
Mitigated	0.4162	0.4072	3.9116	8.9200e-003	0.9759	5.9000e-003	0.9818	0.2598	5.4900e-003	0.2653		906.1617	906.1617	0.0479	0.0365	918.2481
Unmitigated	0.4162	0.4072	3.9116	8.9200e-003	0.9759	5.9000e-003	0.9818	0.2598	5.4900e-003	0.2653		906.1617	906.1617	0.0479	0.0365	918.2481

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	158.97	158.97	158.97	464,127	464,127
<b>Total</b>	<b>158.97</b>	<b>158.97</b>	<b>158.97</b>	<b>464,127</b>	<b>464,127</b>

**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
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

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

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.572464	0.055653	0.187060	0.115672	0.020329	0.005102	0.007934	0.006404	0.000900	0.000380	0.024412	0.000914	0.002776
Parking Lot	0.572464	0.055653	0.187060	0.115672	0.020329	0.005102	0.007934	0.006404	0.000900	0.000380	0.024412	0.000914	0.002776
Unrefrigerated Warehouse-No Rail	0.572464	0.055653	0.187060	0.115672	0.020329	0.005102	0.007934	0.006404	0.000900	0.000380	0.024412	0.000914	0.002776

**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	7.2800e-003	0.0662	0.0556	4.0000e-004		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003		79.4000	79.4000	1.5200e-003	1.4600e-003	79.8718
NaturalGas Unmitigated	7.2800e-003	0.0662	0.0556	4.0000e-004		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003		79.4000	79.4000	1.5200e-003	1.4600e-003	79.8718

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	674.9	7.2800e-003	0.0662	0.0556	4.0000e-004		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003		79.4000	79.4000	1.5200e-003	1.4600e-003	79.8718
<b>Total</b>		<b>7.2800e-003</b>	<b>0.0662</b>	<b>0.0556</b>	<b>4.0000e-004</b>		<b>5.0300e-003</b>	<b>5.0300e-003</b>		<b>5.0300e-003</b>	<b>5.0300e-003</b>		<b>79.4000</b>	<b>79.4000</b>	<b>1.5200e-003</b>	<b>1.4600e-003</b>	<b>79.8718</b>



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

**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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.6749	7.2800e-003	0.0662	0.0556	4.0000e-004		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003		79.4000	79.4000	1.5200e-003	1.4600e-003	79.8718
<b>Total</b>		<b>7.2800e-003</b>	<b>0.0662</b>	<b>0.0556</b>	<b>4.0000e-004</b>		<b>5.0300e-003</b>	<b>5.0300e-003</b>		<b>5.0300e-003</b>	<b>5.0300e-003</b>		<b>79.4000</b>	<b>79.4000</b>	<b>1.5200e-003</b>	<b>1.4600e-003</b>	<b>79.8718</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7782	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0256	0.0256	7.0000e-005		0.0273
Unmitigated	1.7782	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0256	0.0256	7.0000e-005		0.0273

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

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2144					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5628					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1000e-003	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0256	0.0256	7.0000e-005		0.0273
<b>Total</b>	<b>1.7782</b>	<b>1.1000e-004</b>	<b>0.0119</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>0.0256</b>	<b>0.0256</b>	<b>7.0000e-005</b>		<b>0.0273</b>

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

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2144					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5628					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1000e-003	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0256	0.0256	7.0000e-005		0.0273
<b>Total</b>	<b>1.7782</b>	<b>1.1000e-004</b>	<b>0.0119</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>0.0256</b>	<b>0.0256</b>	<b>7.0000e-005</b>		<b>0.0273</b>

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

**1535-1551 Industrial Ave Project  
Santa Clara County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	71.61	1000sqft	1.64	71,610.00	0
Other Non-Asphalt Surfaces	1.56	Acre	1.56	67,953.60	0
Parking Lot	44.00	Space	0.40	17,600.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2024
<b>Utility Company</b>	San Jose Clean Energy				
<b>CO2 Intensity (lb/MWhr)</b>	807.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - 1535-1551 Industrial Ave Project. BAAQMD.

Land Use - 71,610 SF warehouse, 44 parking stalls on a 3.6 acre site.

Construction Phase - Per applicant, construction would commence July 2022 and would finalize March 2023.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

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

Off-road Equipment - No equipment assumed for mobilization.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Trips and VMT - Default trips assumed.

Demolition -

Grading - Site would be balanced.

Architectural Coating -

Vehicle Trips - Updated per traffic report.

Construction Off-road Equipment Mitigation - Water sites twice daily.

Waste Mitigation - Per status report for City's Zero Waste Strategic Plan 2022 - 71% waste diverted

Off-road Equipment - Default equipment assumed.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	158.00
tblConstructionPhase	NumDays	18.00	85.00
tblConstructionPhase	NumDays	18.00	5.00
tblConstructionPhase	PhaseEndDate	5/17/2024	3/22/2023
tblConstructionPhase	PhaseEndDate	6/12/2024	2/7/2023
tblConstructionPhase	PhaseEndDate	7/8/2024	12/2/2022
tblConstructionPhase	PhaseStartDate	7/1/2023	8/15/2022
tblConstructionPhase	PhaseStartDate	5/18/2024	10/12/2022
tblConstructionPhase	PhaseStartDate	6/13/2024	11/28/2022
tblGrading	AcresOfGrading	0.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	PhaseName	Building Construction	Building Construction and Building Power

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

tblOffRoadEquipment	PhaseName	Building Construction	Building Construction and Building Power
tblOffRoadEquipment	PhaseName	Building Construction	Building Construction and Building Power
tblOffRoadEquipment	PhaseName	Building Construction	Building Construction and Building Power
tblOffRoadEquipment	PhaseName	Building Construction	Building Construction and Building Power
tblOnRoadDust	PhaseName	Building Construction	Building Construction and Building Power
tblTripsAndVMT	PhaseName	Building Construction	Building Construction and Building Power
tblTripsAndVMT	WorkerTripNumber	0.00	18.00
tblVehicleTrips	ST_TR	1.74	2.22
tblVehicleTrips	SU_TR	1.74	2.22
tblVehicleTrips	WD_TR	1.74	2.22

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

**2.0 Emissions Summary**

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	159.7423	33.1221	33.2516	0.0610	19.8049	1.6133	21.4182	10.1417	1.4843	11.6259	0.0000	5,908.1191	5,908.1191	1.2331	0.1088	5,971.3568
2023	2.7647	24.5208	30.7752	0.0568	0.8826	1.1456	2.0281	0.2381	1.0706	1.3086	0.0000	5,497.1647	5,497.1647	1.2046	0.1007	5,557.2967
<b>Maximum</b>	<b>159.7423</b>	<b>33.1221</b>	<b>33.2516</b>	<b>0.0610</b>	<b>19.8049</b>	<b>1.6133</b>	<b>21.4182</b>	<b>10.1417</b>	<b>1.4843</b>	<b>11.6259</b>	<b>0.0000</b>	<b>5,908.1191</b>	<b>5,908.1191</b>	<b>1.2331</b>	<b>0.1088</b>	<b>5,971.3568</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	159.7423	33.1221	33.2516	0.0610	8.9935	1.6133	10.6068	4.5853	1.4843	6.0696	0.0000	5,908.1191	5,908.1191	1.2331	0.1088	5,971.3568
2023	2.7647	24.5208	30.7752	0.0568	0.8826	1.1456	2.0281	0.2381	1.0706	1.3086	0.0000	5,497.1647	5,497.1647	1.2046	0.1007	5,557.2967
<b>Maximum</b>	<b>159.7423</b>	<b>33.1221</b>	<b>33.2516</b>	<b>0.0610</b>	<b>8.9935</b>	<b>1.6133</b>	<b>10.6068</b>	<b>4.5853</b>	<b>1.4843</b>	<b>6.0696</b>	<b>0.0000</b>	<b>5,908.1191</b>	<b>5,908.1191</b>	<b>1.2331</b>	<b>0.1088</b>	<b>5,971.3568</b>

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	52.26	0.00	46.11	53.53	0.00	42.96	0.00	0.00	0.00	0.00	0.00	0.00

**2.2 Overall Operational**  
**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.7782	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0256	0.0256	7.0000e-005		0.0273
Energy	7.2800e-003	0.0662	0.0556	4.0000e-004		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003		79.4000	79.4000	1.5200e-003	1.4600e-003	79.8718
Mobile	0.3793	0.4680	4.0477	8.3900e-003	0.9759	5.9000e-003	0.9818	0.2598	5.4900e-003	0.2653		852.3983	852.3983	0.0534	0.0400	865.6460
<b>Total</b>	<b>2.1649</b>	<b>0.5343</b>	<b>4.1152</b>	<b>8.7900e-003</b>	<b>0.9759</b>	<b>0.0110</b>	<b>0.9868</b>	<b>0.2598</b>	<b>0.0106</b>	<b>0.2703</b>		<b>931.8240</b>	<b>931.8240</b>	<b>0.0550</b>	<b>0.0414</b>	<b>945.5451</b>





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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Mobilization	Site Preparation	7/20/2022	7/26/2022	5	5	
2	Prewater	Site Preparation	7/27/2022	8/2/2022	5	5	
3	Grading	Grading	8/3/2022	8/12/2022	5	8	
4	Building Construction and Building Power	Building Construction	8/15/2022	3/22/2023	5	158	
5	Site Work	Paving	10/12/2022	2/7/2023	5	85	
6	Architectural Coating	Architectural Coating	11/28/2022	12/2/2022	5	5	

**Acres of Grading (Site Preparation Phase): 5**

**Acres of Grading (Grading Phase): 8**

**Acres of Paving: 1.96**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 107,415; Non-Residential Outdoor: 35,805; Striped Parking Area: 5,133**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Mobilization	Concrete/Industrial Saws	0	8.00	81	0.73
Mobilization	Excavators	0	8.00	158	0.38
Mobilization	Rubber Tired Dozers	0	8.00	247	0.40
Mobilization	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Prewater	Rubber Tired Dozers	3	8.00	247	0.40
Prewater	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38

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

Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction and Building Power	Cranes	1	7.00	231	0.29
Building Construction and Building Power	Forklifts	3	8.00	89	0.20
Building Construction and Building Power	Generator Sets	1	8.00	84	0.74
Building Construction and Building Power	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction and Building Power	Welders	1	8.00	46	0.45
Site Work	Cement and Mortar Mixers	2	6.00	9	0.56
Site Work	Pavers	1	8.00	130	0.42
Site Work	Paving Equipment	2	6.00	132	0.36
Site Work	Rollers	2	6.00	80	0.38
Site Work	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Mobilization	0	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Prewater	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction and Building Power	9	66.00	26.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Work	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Mobilization - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0605</b>	<b>0.0000</b>	<b>1.0605</b>	<b>0.1145</b>	<b>0.0000</b>	<b>0.1145</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0522	0.0385	0.4443	1.2100e-003	0.1479	7.4000e-004	0.1486	0.0392	6.9000e-004	0.0399		122.2944	122.2944	4.0500e-003	3.8200e-003	123.5327
<b>Total</b>	<b>0.0522</b>	<b>0.0385</b>	<b>0.4443</b>	<b>1.2100e-003</b>	<b>0.1479</b>	<b>7.4000e-004</b>	<b>0.1486</b>	<b>0.0392</b>	<b>6.9000e-004</b>	<b>0.0399</b>		<b>122.2944</b>	<b>122.2944</b>	<b>4.0500e-003</b>	<b>3.8200e-003</b>	<b>123.5327</b>

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4772	0.0000	0.4772	0.0515	0.0000	0.0515			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.4772</b>	<b>0.0000</b>	<b>0.4772</b>	<b>0.0515</b>	<b>0.0000</b>	<b>0.0515</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0522	0.0385	0.4443	1.2100e-003	0.1479	7.4000e-004	0.1486	0.0392	6.9000e-004	0.0399		122.2944	122.2944	4.0500e-003	3.8200e-003	123.5327
<b>Total</b>	<b>0.0522</b>	<b>0.0385</b>	<b>0.4443</b>	<b>1.2100e-003</b>	<b>0.1479</b>	<b>7.4000e-004</b>	<b>0.1486</b>	<b>0.0392</b>	<b>6.9000e-004</b>	<b>0.0399</b>		<b>122.2944</b>	<b>122.2944</b>	<b>4.0500e-003</b>	<b>3.8200e-003</b>	<b>123.5327</b>

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

**3.3 Prewater - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>19.6570</b>	<b>1.6126</b>	<b>21.2696</b>	<b>10.1025</b>	<b>1.4836</b>	<b>11.5860</b>		<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0522	0.0385	0.4443	1.2100e-003	0.1479	7.4000e-004	0.1486	0.0392	6.9000e-004	0.0399		122.2944	122.2944	4.0500e-003	3.8200e-003	123.5327
<b>Total</b>	<b>0.0522</b>	<b>0.0385</b>	<b>0.4443</b>	<b>1.2100e-003</b>	<b>0.1479</b>	<b>7.4000e-004</b>	<b>0.1486</b>	<b>0.0392</b>	<b>6.9000e-004</b>	<b>0.0399</b>		<b>122.2944</b>	<b>122.2944</b>	<b>4.0500e-003</b>	<b>3.8200e-003</b>	<b>123.5327</b>

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>8.8457</b>	<b>1.6126</b>	<b>10.4582</b>	<b>4.5461</b>	<b>1.4836</b>	<b>6.0297</b>	<b>0.0000</b>	<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0522	0.0385	0.4443	1.2100e-003	0.1479	7.4000e-004	0.1486	0.0392	6.9000e-004	0.0399		122.2944	122.2944	4.0500e-003	3.8200e-003	123.5327
<b>Total</b>	<b>0.0522</b>	<b>0.0385</b>	<b>0.4443</b>	<b>1.2100e-003</b>	<b>0.1479</b>	<b>7.4000e-004</b>	<b>0.1486</b>	<b>0.0392</b>	<b>6.9000e-004</b>	<b>0.0399</b>		<b>122.2944</b>	<b>122.2944</b>	<b>4.0500e-003</b>	<b>3.8200e-003</b>	<b>123.5327</b>

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

**3.4 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>7.0826</b>	<b>0.9409</b>	<b>8.0234</b>	<b>3.4247</b>	<b>0.8656</b>	<b>4.2903</b>		<b>2,872.0464</b>	<b>2,872.0464</b>	<b>0.9289</b>		<b>2,895.2684</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0435	0.0321	0.3703	1.0100e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333		101.9120	101.9120	3.3800e-003	3.1800e-003	102.9439
<b>Total</b>	<b>0.0435</b>	<b>0.0321</b>	<b>0.3703</b>	<b>1.0100e-003</b>	<b>0.1232</b>	<b>6.2000e-004</b>	<b>0.1238</b>	<b>0.0327</b>	<b>5.7000e-004</b>	<b>0.0333</b>		<b>101.9120</b>	<b>101.9120</b>	<b>3.3800e-003</b>	<b>3.1800e-003</b>	<b>102.9439</b>



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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1872	0.0000	3.1872	1.5411	0.0000	1.5411			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>3.1872</b>	<b>0.9409</b>	<b>4.1280</b>	<b>1.5411</b>	<b>0.8656</b>	<b>2.4067</b>	<b>0.0000</b>	<b>2,872.0464</b>	<b>2,872.0464</b>	<b>0.9289</b>		<b>2,895.2684</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0435	0.0321	0.3703	1.0100e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333		101.9120	101.9120	3.3800e-003	3.1800e-003	102.9439
<b>Total</b>	<b>0.0435</b>	<b>0.0321</b>	<b>0.3703</b>	<b>1.0100e-003</b>	<b>0.1232</b>	<b>6.2000e-004</b>	<b>0.1238</b>	<b>0.0327</b>	<b>5.7000e-004</b>	<b>0.0333</b>		<b>101.9120</b>	<b>101.9120</b>	<b>3.3800e-003</b>	<b>3.1800e-003</b>	<b>102.9439</b>

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

**3.5 Building Construction and Building Power - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0574	1.4922	0.4368	5.5400e-003	0.1761	0.0154	0.1915	0.0507	0.0147	0.0654		594.5885	594.5885	0.0134	0.0878	621.0795
Worker	0.1915	0.1413	1.6292	4.4400e-003	0.5422	2.7300e-003	0.5449	0.1438	2.5100e-003	0.1463		448.4129	448.4129	0.0149	0.0140	452.9532
<b>Total</b>	<b>0.2489</b>	<b>1.6335</b>	<b>2.0660</b>	<b>9.9800e-003</b>	<b>0.7183</b>	<b>0.0181</b>	<b>0.7364</b>	<b>0.1945</b>	<b>0.0172</b>	<b>0.2117</b>		<b>1,043.0013</b>	<b>1,043.0013</b>	<b>0.0283</b>	<b>0.1018</b>	<b>1,074.0327</b>

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0574	1.4922	0.4368	5.5400e-003	0.1761	0.0154	0.1915	0.0507	0.0147	0.0654		594.5885	594.5885	0.0134	0.0878	621.0795
Worker	0.1915	0.1413	1.6292	4.4400e-003	0.5422	2.7300e-003	0.5449	0.1438	2.5100e-003	0.1463		448.4129	448.4129	0.0149	0.0140	452.9532
<b>Total</b>	<b>0.2489</b>	<b>1.6335</b>	<b>2.0660</b>	<b>9.9800e-003</b>	<b>0.7183</b>	<b>0.0181</b>	<b>0.7364</b>	<b>0.1945</b>	<b>0.0172</b>	<b>0.2117</b>		<b>1,043.0013</b>	<b>1,043.0013</b>	<b>0.0283</b>	<b>0.1018</b>	<b>1,074.0327</b>

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

**3.5 Building Construction and Building Power - 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					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0282	1.1824	0.3718	5.3100e-003	0.1761	6.8200e-003	0.1829	0.0507	6.5200e-003	0.0572		570.3230	570.3230	0.0120	0.0838	595.6017
Worker	0.1790	0.1253	1.5110	4.3000e-003	0.5422	2.5900e-003	0.5448	0.1438	2.3800e-003	0.1462		434.5266	434.5266	0.0135	0.0130	438.7286
<b>Total</b>	<b>0.2073</b>	<b>1.3076</b>	<b>1.8828</b>	<b>9.6100e-003</b>	<b>0.7183</b>	<b>9.4100e-003</b>	<b>0.7277</b>	<b>0.1945</b>	<b>8.9000e-003</b>	<b>0.2034</b>		<b>1,004.8496</b>	<b>1,004.8496</b>	<b>0.0254</b>	<b>0.0968</b>	<b>1,034.3303</b>

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0282	1.1824	0.3718	5.3100e-003	0.1761	6.8200e-003	0.1829	0.0507	6.5200e-003	0.0572		570.3230	570.3230	0.0120	0.0838	595.6017
Worker	0.1790	0.1253	1.5110	4.3000e-003	0.5422	2.5900e-003	0.5448	0.1438	2.3800e-003	0.1462		434.5266	434.5266	0.0135	0.0130	438.7286
<b>Total</b>	<b>0.2073</b>	<b>1.3076</b>	<b>1.8828</b>	<b>9.6100e-003</b>	<b>0.7183</b>	<b>9.4100e-003</b>	<b>0.7277</b>	<b>0.1945</b>	<b>8.9000e-003</b>	<b>0.2034</b>		<b>1,004.8496</b>	<b>1,004.8496</b>	<b>0.0254</b>	<b>0.0968</b>	<b>1,034.3303</b>

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

**3.6 Site Work - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.0123					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9888</b>	<b>9.5221</b>	<b>12.1940</b>	<b>0.0189</b>		<b>0.4877</b>	<b>0.4877</b>		<b>0.4504</b>	<b>0.4504</b>		<b>1,805.1297</b>	<b>1,805.1297</b>	<b>0.5672</b>		<b>1,819.3091</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0580	0.0428	0.4937	1.3400e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443		135.8827	135.8827	4.5000e-003	4.2400e-003	137.2586
<b>Total</b>	<b>0.0580</b>	<b>0.0428</b>	<b>0.4937</b>	<b>1.3400e-003</b>	<b>0.1643</b>	<b>8.3000e-004</b>	<b>0.1651</b>	<b>0.0436</b>	<b>7.6000e-004</b>	<b>0.0443</b>		<b>135.8827</b>	<b>135.8827</b>	<b>4.5000e-003</b>	<b>4.2400e-003</b>	<b>137.2586</b>

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.0123					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9888</b>	<b>9.5221</b>	<b>12.1940</b>	<b>0.0189</b>		<b>0.4877</b>	<b>0.4877</b>		<b>0.4504</b>	<b>0.4504</b>	<b>0.0000</b>	<b>1,805.1297</b>	<b>1,805.1297</b>	<b>0.5672</b>		<b>1,819.3091</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0580	0.0428	0.4937	1.3400e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443		135.8827	135.8827	4.5000e-003	4.2400e-003	137.2586
<b>Total</b>	<b>0.0580</b>	<b>0.0428</b>	<b>0.4937</b>	<b>1.3400e-003</b>	<b>0.1643</b>	<b>8.3000e-004</b>	<b>0.1651</b>	<b>0.0436</b>	<b>7.6000e-004</b>	<b>0.0443</b>		<b>135.8827</b>	<b>135.8827</b>	<b>4.5000e-003</b>	<b>4.2400e-003</b>	<b>137.2586</b>

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

**3.6 Site Work - 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					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0123					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9304</b>	<b>8.7903</b>	<b>12.1905</b>	<b>0.0189</b>		<b>0.4357</b>	<b>0.4357</b>		<b>0.4025</b>	<b>0.4025</b>		<b>1,805.4304</b>	<b>1,805.4304</b>	<b>0.5673</b>		<b>1,819.6122</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0543	0.0380	0.4579	1.3000e-003	0.1643	7.9000e-004	0.1651	0.0436	7.2000e-004	0.0443		131.6747	131.6747	4.0800e-003	3.9300e-003	132.9481
<b>Total</b>	<b>0.0543</b>	<b>0.0380</b>	<b>0.4579</b>	<b>1.3000e-003</b>	<b>0.1643</b>	<b>7.9000e-004</b>	<b>0.1651</b>	<b>0.0436</b>	<b>7.2000e-004</b>	<b>0.0443</b>		<b>131.6747</b>	<b>131.6747</b>	<b>4.0800e-003</b>	<b>3.9300e-003</b>	<b>132.9481</b>



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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0123					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9304</b>	<b>8.7903</b>	<b>12.1905</b>	<b>0.0189</b>		<b>0.4357</b>	<b>0.4357</b>		<b>0.4025</b>	<b>0.4025</b>	<b>0.0000</b>	<b>1,805.4304</b>	<b>1,805.4304</b>	<b>0.5673</b>		<b>1,819.6122</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0543	0.0380	0.4579	1.3000e-003	0.1643	7.9000e-004	0.1651	0.0436	7.2000e-004	0.0443		131.6747	131.6747	4.0800e-003	3.9300e-003	132.9481
<b>Total</b>	<b>0.0543</b>	<b>0.0380</b>	<b>0.4579</b>	<b>1.3000e-003</b>	<b>0.1643</b>	<b>7.9000e-004</b>	<b>0.1651</b>	<b>0.0436</b>	<b>7.2000e-004</b>	<b>0.0443</b>		<b>131.6747</b>	<b>131.6747</b>	<b>4.0800e-003</b>	<b>3.9300e-003</b>	<b>132.9481</b>

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

**3.7 Architectural Coating - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	156.4980					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>156.7025</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0377	0.0278	0.3209	8.7000e-004	0.1068	5.4000e-004	0.1073	0.0283	5.0000e-004	0.0288		88.3238	88.3238	2.9300e-003	2.7600e-003	89.2181
<b>Total</b>	<b>0.0377</b>	<b>0.0278</b>	<b>0.3209</b>	<b>8.7000e-004</b>	<b>0.1068</b>	<b>5.4000e-004</b>	<b>0.1073</b>	<b>0.0283</b>	<b>5.0000e-004</b>	<b>0.0288</b>		<b>88.3238</b>	<b>88.3238</b>	<b>2.9300e-003</b>	<b>2.7600e-003</b>	<b>89.2181</b>

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	156.4980					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>156.7025</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0377	0.0278	0.3209	8.7000e-004	0.1068	5.4000e-004	0.1073	0.0283	5.0000e-004	0.0288		88.3238	88.3238	2.9300e-003	2.7600e-003	89.2181
<b>Total</b>	<b>0.0377</b>	<b>0.0278</b>	<b>0.3209</b>	<b>8.7000e-004</b>	<b>0.1068</b>	<b>5.4000e-004</b>	<b>0.1073</b>	<b>0.0283</b>	<b>5.0000e-004</b>	<b>0.0288</b>		<b>88.3238</b>	<b>88.3238</b>	<b>2.9300e-003</b>	<b>2.7600e-003</b>	<b>89.2181</b>

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3793	0.4680	4.0477	8.3900e-003	0.9759	5.9000e-003	0.9818	0.2598	5.4900e-003	0.2653		852.3983	852.3983	0.0534	0.0400	865.6460
Unmitigated	0.3793	0.4680	4.0477	8.3900e-003	0.9759	5.9000e-003	0.9818	0.2598	5.4900e-003	0.2653		852.3983	852.3983	0.0534	0.0400	865.6460

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	158.97	158.97	158.97	464,127	464,127
<b>Total</b>	<b>158.97</b>	<b>158.97</b>	<b>158.97</b>	<b>464,127</b>	<b>464,127</b>

**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
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

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

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.572464	0.055653	0.187060	0.115672	0.020329	0.005102	0.007934	0.006404	0.000900	0.000380	0.024412	0.000914	0.002776
Parking Lot	0.572464	0.055653	0.187060	0.115672	0.020329	0.005102	0.007934	0.006404	0.000900	0.000380	0.024412	0.000914	0.002776
Unrefrigerated Warehouse-No Rail	0.572464	0.055653	0.187060	0.115672	0.020329	0.005102	0.007934	0.006404	0.000900	0.000380	0.024412	0.000914	0.002776

**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	7.2800e-003	0.0662	0.0556	4.0000e-004		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003		79.4000	79.4000	1.5200e-003	1.4600e-003	79.8718
NaturalGas Unmitigated	7.2800e-003	0.0662	0.0556	4.0000e-004		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003		79.4000	79.4000	1.5200e-003	1.4600e-003	79.8718

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	674.9	7.2800e-003	0.0662	0.0556	4.0000e-004		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003		79.4000	79.4000	1.5200e-003	1.4600e-003	79.8718
<b>Total</b>		<b>7.2800e-003</b>	<b>0.0662</b>	<b>0.0556</b>	<b>4.0000e-004</b>		<b>5.0300e-003</b>	<b>5.0300e-003</b>		<b>5.0300e-003</b>	<b>5.0300e-003</b>		<b>79.4000</b>	<b>79.4000</b>	<b>1.5200e-003</b>	<b>1.4600e-003</b>	<b>79.8718</b>

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

**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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.6749	7.2800e-003	0.0662	0.0556	4.0000e-004		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003		79.4000	79.4000	1.5200e-003	1.4600e-003	79.8718
<b>Total</b>		<b>7.2800e-003</b>	<b>0.0662</b>	<b>0.0556</b>	<b>4.0000e-004</b>		<b>5.0300e-003</b>	<b>5.0300e-003</b>		<b>5.0300e-003</b>	<b>5.0300e-003</b>		<b>79.4000</b>	<b>79.4000</b>	<b>1.5200e-003</b>	<b>1.4600e-003</b>	<b>79.8718</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7782	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0256	0.0256	7.0000e-005		0.0273
Unmitigated	1.7782	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0256	0.0256	7.0000e-005		0.0273

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

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2144					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5628					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1000e-003	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0256	0.0256	7.0000e-005		0.0273
<b>Total</b>	<b>1.7782</b>	<b>1.1000e-004</b>	<b>0.0119</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>0.0256</b>	<b>0.0256</b>	<b>7.0000e-005</b>		<b>0.0273</b>



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

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2144					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5628					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.1000e-003	1.1000e-004	0.0119	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0256	0.0256	7.0000e-005		0.0273
<b>Total</b>	<b>1.7782</b>	<b>1.1000e-004</b>	<b>0.0119</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>0.0256</b>	<b>0.0256</b>	<b>7.0000e-005</b>		<b>0.0273</b>

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**  
**1535-1551 Industrial Ave Project (Existing)**  
**Santa Clara County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	16.40	1000sqft	0.38	16,400.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2021
<b>Utility Company</b>	Pacific Gas and Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	203.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - 1535-1551 Industrial Ave Project - Existing. BAAQMD.

Land Use - 16,400 SF of existing buildings.

Construction Phase - Modeling operations only.

Off-road Equipment - Default construction assumptions

Off-road Equipment - Modeling operations only.

Trips and VMT - Modeling operations only.

Demolition - Modeling operations only.

Vehicle Trips - Updated trip gen rates per Traffic Report.

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

Table Name	Column Name	Default Value	New Value
tblVehicleTrips	ST_TR	1.74	3.37
tblVehicleTrips	SU_TR	1.74	3.37
tblVehicleTrips	WD_TR	1.74	3.37

**2.0 Emissions Summary**

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0726	0.0000	1.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.9000e-004	2.9000e-004	0.0000	0.0000	3.1000e-004
Energy	3.0000e-004	2.7700e-003	2.3200e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	8.3214	8.3214	9.2000e-004	1.6000e-004	8.3918
Mobile	0.0281	0.0381	0.2850	5.9000e-004	0.0596	5.6000e-004	0.0602	0.0159	5.3000e-004	0.0165	0.0000	53.9844	53.9844	3.4000e-003	2.5500e-003	54.8294
Waste						0.0000	0.0000		0.0000	0.0000	3.1301	0.0000	3.1301	0.1850	0.0000	7.7547
Water						0.0000	0.0000		0.0000	0.0000	1.2032	1.8987	3.1019	0.1239	2.9600e-003	7.0797
<b>Total</b>	<b>0.1010</b>	<b>0.0408</b>	<b>0.2874</b>	<b>6.1000e-004</b>	<b>0.0596</b>	<b>7.7000e-004</b>	<b>0.0604</b>	<b>0.0159</b>	<b>7.4000e-004</b>	<b>0.0167</b>	<b>4.3333</b>	<b>64.2049</b>	<b>68.5382</b>	<b>0.3132</b>	<b>5.6700e-003</b>	<b>78.0560</b>

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

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0726	0.0000	1.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.9000e-004	2.9000e-004	0.0000	0.0000	3.1000e-004
Energy	3.0000e-004	2.7700e-003	2.3200e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	8.3214	8.3214	9.2000e-004	1.6000e-004	8.3918
Mobile	0.0281	0.0381	0.2850	5.9000e-004	0.0596	5.6000e-004	0.0602	0.0159	5.3000e-004	0.0165	0.0000	53.9844	53.9844	3.4000e-003	2.5500e-003	54.8294
Waste						0.0000	0.0000		0.0000	0.0000	3.1301	0.0000	3.1301	0.1850	0.0000	7.7547
Water						0.0000	0.0000		0.0000	0.0000	1.2032	1.8987	3.1019	0.1239	2.9600e-003	7.0797
<b>Total</b>	<b>0.1010</b>	<b>0.0408</b>	<b>0.2874</b>	<b>6.1000e-004</b>	<b>0.0596</b>	<b>7.7000e-004</b>	<b>0.0604</b>	<b>0.0159</b>	<b>7.4000e-004</b>	<b>0.0167</b>	<b>4.3333</b>	<b>64.2049</b>	<b>68.5382</b>	<b>0.3132</b>	<b>5.6700e-003</b>	<b>78.0560</b>

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0281	0.0381	0.2850	5.9000e-004	0.0596	5.6000e-004	0.0602	0.0159	5.3000e-004	0.0165	0.0000	53.9844	53.9844	3.4000e-003	2.5500e-003	54.8294
Unmitigated	0.0281	0.0381	0.2850	5.9000e-004	0.0596	5.6000e-004	0.0602	0.0159	5.3000e-004	0.0165	0.0000	53.9844	53.9844	3.4000e-003	2.5500e-003	54.8294

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	55.27	55.27	55.27	161,356	161,356
Total	55.27	55.27	55.27	161,356	161,356

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No Rail	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.572464	0.055653	0.187060	0.115672	0.020329	0.005102	0.007934	0.006404	0.000900	0.000380	0.024412	0.000914	0.002776

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

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5.3109	5.3109	8.6000e-004	1.0000e-004	5.3634
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5.3109	5.3109	8.6000e-004	1.0000e-004	5.3634
NaturalGas Mitigated	3.0000e-004	2.7700e-003	2.3200e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	3.0106	3.0106	6.0000e-005	6.0000e-005	3.0285
NaturalGas Unmitigated	3.0000e-004	2.7700e-003	2.3200e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	3.0106	3.0106	6.0000e-005	6.0000e-005	3.0285

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Unrefrigerated Warehouse-No Rail	56416	3.0000e-004	2.7700e-003	2.3200e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	3.0106	3.0106	6.0000e-005	6.0000e-005	3.0285
<b>Total</b>		<b>3.0000e-004</b>	<b>2.7700e-003</b>	<b>2.3200e-003</b>	<b>2.0000e-005</b>		<b>2.1000e-004</b>	<b>2.1000e-004</b>		<b>2.1000e-004</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>3.0106</b>	<b>3.0106</b>	<b>6.0000e-005</b>	<b>6.0000e-005</b>	<b>3.0285</b>

**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					
Unrefrigerated Warehouse-No Rail	56416	3.0000e-004	2.7700e-003	2.3200e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	3.0106	3.0106	6.0000e-005	6.0000e-005	3.0285
<b>Total</b>		<b>3.0000e-004</b>	<b>2.7700e-003</b>	<b>2.3200e-003</b>	<b>2.0000e-005</b>		<b>2.1000e-004</b>	<b>2.1000e-004</b>		<b>2.1000e-004</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>3.0106</b>	<b>3.0106</b>	<b>6.0000e-005</b>	<b>6.0000e-005</b>	<b>3.0285</b>

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

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	57400	5.3109	8.6000e-004	1.0000e-004	5.3634
<b>Total</b>		<b>5.3109</b>	<b>8.6000e-004</b>	<b>1.0000e-004</b>	<b>5.3634</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	57400	5.3109	8.6000e-004	1.0000e-004	5.3634
<b>Total</b>		<b>5.3109</b>	<b>8.6000e-004</b>	<b>1.0000e-004</b>	<b>5.3634</b>



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

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0726	0.0000	1.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.9000e-004	2.9000e-004	0.0000	0.0000	3.1000e-004
Unmitigated	0.0726	0.0000	1.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.9000e-004	2.9000e-004	0.0000	0.0000	3.1000e-004

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	8.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0641					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.9000e-004	2.9000e-004	0.0000	0.0000	3.1000e-004
<b>Total</b>	<b>0.0726</b>	<b>0.0000</b>	<b>1.5000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.9000e-004</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.1000e-004</b>

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

**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	8.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0641					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.9000e-004	2.9000e-004	0.0000	0.0000	3.1000e-004
<b>Total</b>	<b>0.0726</b>	<b>0.0000</b>	<b>1.5000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.9000e-004</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.1000e-004</b>

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

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	3.1019	0.1239	2.9600e-003	7.0797
Unmitigated	3.1019	0.1239	2.9600e-003	7.0797

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	3.7925 / 0	3.1019	0.1239	2.9600e-003	7.0797
<b>Total</b>		<b>3.1019</b>	<b>0.1239</b>	<b>2.9600e-003</b>	<b>7.0797</b>

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

**Mitigated**

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail 3.7925 / 0	3.1019	0.1239	2.9600e-003	7.0797
<b>Total</b>	<b>3.1019</b>	<b>0.1239</b>	<b>2.9600e-003</b>	<b>7.0797</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.1301	0.1850	0.0000	7.7547
Unmitigated	3.1301	0.1850	0.0000	7.7547

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

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	15.42	3.1301	0.1850	0.0000	7.7547
<b>Total</b>		<b>3.1301</b>	<b>0.1850</b>	<b>0.0000</b>	<b>7.7547</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	15.42	3.1301	0.1850	0.0000	7.7547
<b>Total</b>		<b>3.1301</b>	<b>0.1850</b>	<b>0.0000</b>	<b>7.7547</b>

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**  
**1535-1551 Industrial Ave Project (Existing)**  
**Santa Clara County, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	16.40	1000sqft	0.38	16,400.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2021
<b>Utility Company</b>	Pacific Gas and Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	203.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - 1535-1551 Industrial Ave Project - Existing. BAAQMD.

Land Use - 16,400 SF of existing buildings.

Construction Phase - Modeling operations only.

Off-road Equipment - Default construction assumptions

Off-road Equipment - Modeling operations only.

Trips and VMT - Modeling operations only.

Demolition - Modeling operations only.

Vehicle Trips - Updated trip gen rates per Traffic Report.

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

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	6.4250e-003	6.4040e-003
tblFleetMix	LDA	0.57	0.57
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT2	0.19	0.19
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	4.8940e-003	5.1020e-003
tblFleetMix	MCY	0.02	0.02
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MH	2.9780e-003	2.7760e-003
tblFleetMix	MHD	8.2890e-003	7.9340e-003
tblFleetMix	OBUS	9.6600e-004	9.0000e-004
tblFleetMix	SBUS	9.5000e-004	9.1400e-004
tblFleetMix	UBUS	4.0700e-004	3.8000e-004
tblVehicleTrips	ST_TR	1.74	3.37
tblVehicleTrips	SU_TR	1.74	3.37
tblVehicleTrips	WD_TR	1.74	3.37

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

**2.0 Emissions Summary**

**2.2 Overall Operational  
Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3980	2.0000e-005	1.6800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.5900e-003	3.5900e-003	1.0000e-005		3.8300e-003
Energy	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.1841	18.1841	3.5000e-004	3.3000e-004	18.2921
Mobile	0.1694	0.1932	1.6103	3.4000e-003	0.3393	3.1100e-003	0.3424	0.0903	2.9100e-003	0.0932		345.3812	345.3812	0.0195	0.0147	350.2339
<b>Total</b>	<b>0.5690</b>	<b>0.2083</b>	<b>1.6247</b>	<b>3.4900e-003</b>	<b>0.3393</b>	<b>4.2700e-003</b>	<b>0.3435</b>	<b>0.0903</b>	<b>4.0700e-003</b>	<b>0.0944</b>		<b>363.5688</b>	<b>363.5688</b>	<b>0.0198</b>	<b>0.0150</b>	<b>368.5298</b>



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

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3980	2.0000e-005	1.6800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.5900e-003	3.5900e-003	1.0000e-005		3.8300e-003
Energy	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.1841	18.1841	3.5000e-004	3.3000e-004	18.2921
Mobile	0.1694	0.1932	1.6103	3.4000e-003	0.3393	3.1100e-003	0.3424	0.0903	2.9100e-003	0.0932		345.3812	345.3812	0.0195	0.0147	350.2339
<b>Total</b>	<b>0.5690</b>	<b>0.2083</b>	<b>1.6247</b>	<b>3.4900e-003</b>	<b>0.3393</b>	<b>4.2700e-003</b>	<b>0.3435</b>	<b>0.0903</b>	<b>4.0700e-003</b>	<b>0.0944</b>		<b>363.5688</b>	<b>363.5688</b>	<b>0.0198</b>	<b>0.0150</b>	<b>368.5298</b>

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

**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	0.1694	0.1932	1.6103	3.4000e-003	0.3393	3.1100e-003	0.3424	0.0903	2.9100e-003	0.0932		345.3812	345.3812	0.0195	0.0147	350.2339
Unmitigated	0.1694	0.1932	1.6103	3.4000e-003	0.3393	3.1100e-003	0.3424	0.0903	2.9100e-003	0.0932		345.3812	345.3812	0.0195	0.0147	350.2339

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

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	55.27	55.27	55.27	161,356	161,356
Total	55.27	55.27	55.27	161,356	161,356

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No Rail	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.572464	0.055653	0.187060	0.115672	0.020329	0.005102	0.007934	0.006404	0.000900	0.000380	0.024412	0.000914	0.002776

**5.0 Energy Detail**

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Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.1841	18.1841	3.5000e-004	3.3000e-004	18.2921
NaturalGas Unmitigated	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.1841	18.1841	3.5000e-004	3.3000e-004	18.2921

**5.2 Energy by Land Use - NaturalGas**

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	154.564	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.1841	18.1841	3.5000e-004	3.3000e-004	18.2921
<b>Total</b>		<b>1.6700e-003</b>	<b>0.0152</b>	<b>0.0127</b>	<b>9.0000e-005</b>		<b>1.1500e-003</b>	<b>1.1500e-003</b>		<b>1.1500e-003</b>	<b>1.1500e-003</b>		<b>18.1841</b>	<b>18.1841</b>	<b>3.5000e-004</b>	<b>3.3000e-004</b>	<b>18.2921</b>

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

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	0.154564	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.1841	18.1841	3.5000e-004	3.3000e-004	18.2921
<b>Total</b>		<b>1.6700e-003</b>	<b>0.0152</b>	<b>0.0127</b>	<b>9.0000e-005</b>		<b>1.1500e-003</b>	<b>1.1500e-003</b>		<b>1.1500e-003</b>	<b>1.1500e-003</b>		<b>18.1841</b>	<b>18.1841</b>	<b>3.5000e-004</b>	<b>3.3000e-004</b>	<b>18.2921</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3980	2.0000e-005	1.6800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.5900e-003	3.5900e-003	1.0000e-005		3.8300e-003
Unmitigated	0.3980	2.0000e-005	1.6800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.5900e-003	3.5900e-003	1.0000e-005		3.8300e-003

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

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0469					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3510					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6000e-004	2.0000e-005	1.6800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.5900e-003	3.5900e-003	1.0000e-005		3.8300e-003
<b>Total</b>	<b>0.3980</b>	<b>2.0000e-005</b>	<b>1.6800e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>3.5900e-003</b>	<b>3.5900e-003</b>	<b>1.0000e-005</b>		<b>3.8300e-003</b>

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

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0469					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3510					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6000e-004	2.0000e-005	1.6800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.5900e-003	3.5900e-003	1.0000e-005		3.8300e-003
<b>Total</b>	<b>0.3980</b>	<b>2.0000e-005</b>	<b>1.6800e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>3.5900e-003</b>	<b>3.5900e-003</b>	<b>1.0000e-005</b>		<b>3.8300e-003</b>

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**  
**1535-1551 Industrial Ave Project (Existing)**  
**Santa Clara County, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	16.40	1000sqft	0.38	16,400.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2021
<b>Utility Company</b>	Pacific Gas and Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	203.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - 1535-1551 Industrial Ave Project - Existing. BAAQMD.

Land Use - 16,400 SF of existing buildings.

Construction Phase - Modeling operations only.

Off-road Equipment - Default construction assumptions

Off-road Equipment - Modeling operations only.

Trips and VMT - Modeling operations only.

Demolition - Modeling operations only.

Vehicle Trips - Updated trip gen rates per Traffic Report.

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

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	6.4250e-003	6.4040e-003
tblFleetMix	LDA	0.57	0.57
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT2	0.19	0.19
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	4.8940e-003	5.1020e-003
tblFleetMix	MCY	0.02	0.02
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MH	2.9780e-003	2.7760e-003
tblFleetMix	MHD	8.2890e-003	7.9340e-003
tblFleetMix	OBUS	9.6600e-004	9.0000e-004
tblFleetMix	SBUS	9.5000e-004	9.1400e-004
tblFleetMix	UBUS	4.0700e-004	3.8000e-004
tblVehicleTrips	ST_TR	1.74	3.37
tblVehicleTrips	SU_TR	1.74	3.37
tblVehicleTrips	WD_TR	1.74	3.37



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

**2.0 Emissions Summary**

**2.2 Overall Operational  
Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3980	2.0000e-005	1.6800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.5900e-003	3.5900e-003	1.0000e-005		3.8300e-003
Energy	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.1841	18.1841	3.5000e-004	3.3000e-004	18.2921
Mobile	0.1555	0.2211	1.6471	3.1900e-003	0.3393	3.1100e-003	0.3424	0.0903	2.9100e-003	0.0932		324.5427	324.5427	0.0218	0.0161	329.8841
<b>Total</b>	<b>0.5552</b>	<b>0.2363</b>	<b>1.6615</b>	<b>3.2800e-003</b>	<b>0.3393</b>	<b>4.2700e-003</b>	<b>0.3435</b>	<b>0.0903</b>	<b>4.0700e-003</b>	<b>0.0944</b>		<b>342.7303</b>	<b>342.7303</b>	<b>0.0221</b>	<b>0.0164</b>	<b>348.1800</b>

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

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3980	2.0000e-005	1.6800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.5900e-003	3.5900e-003	1.0000e-005		3.8300e-003
Energy	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.1841	18.1841	3.5000e-004	3.3000e-004	18.2921
Mobile	0.1555	0.2211	1.6471	3.1900e-003	0.3393	3.1100e-003	0.3424	0.0903	2.9100e-003	0.0932		324.5427	324.5427	0.0218	0.0161	329.8841
<b>Total</b>	<b>0.5552</b>	<b>0.2363</b>	<b>1.6615</b>	<b>3.2800e-003</b>	<b>0.3393</b>	<b>4.2700e-003</b>	<b>0.3435</b>	<b>0.0903</b>	<b>4.0700e-003</b>	<b>0.0944</b>		<b>342.7303</b>	<b>342.7303</b>	<b>0.0221</b>	<b>0.0164</b>	<b>348.1800</b>

	ROG	NOx	CO	SO2	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

**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	0.1555	0.2211	1.6471	3.1900e-003	0.3393	3.1100e-003	0.3424	0.0903	2.9100e-003	0.0932		324.5427	324.5427	0.0218	0.0161	329.8841
Unmitigated	0.1555	0.2211	1.6471	3.1900e-003	0.3393	3.1100e-003	0.3424	0.0903	2.9100e-003	0.0932		324.5427	324.5427	0.0218	0.0161	329.8841

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

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	55.27	55.27	55.27	161,356	161,356
Total	55.27	55.27	55.27	161,356	161,356

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No Rail	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.572464	0.055653	0.187060	0.115672	0.020329	0.005102	0.007934	0.006404	0.000900	0.000380	0.024412	0.000914	0.002776

**5.0 Energy Detail**

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Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.1841	18.1841	3.5000e-004	3.3000e-004	18.2921
NaturalGas Unmitigated	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.1841	18.1841	3.5000e-004	3.3000e-004	18.2921

**5.2 Energy by Land Use - NaturalGas**

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	154.564	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.1841	18.1841	3.5000e-004	3.3000e-004	18.2921
<b>Total</b>		<b>1.6700e-003</b>	<b>0.0152</b>	<b>0.0127</b>	<b>9.0000e-005</b>		<b>1.1500e-003</b>	<b>1.1500e-003</b>		<b>1.1500e-003</b>	<b>1.1500e-003</b>		<b>18.1841</b>	<b>18.1841</b>	<b>3.5000e-004</b>	<b>3.3000e-004</b>	<b>18.2921</b>

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

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	0.154564	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.1841	18.1841	3.5000e-004	3.3000e-004	18.2921
<b>Total</b>		<b>1.6700e-003</b>	<b>0.0152</b>	<b>0.0127</b>	<b>9.0000e-005</b>		<b>1.1500e-003</b>	<b>1.1500e-003</b>		<b>1.1500e-003</b>	<b>1.1500e-003</b>		<b>18.1841</b>	<b>18.1841</b>	<b>3.5000e-004</b>	<b>3.3000e-004</b>	<b>18.2921</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3980	2.0000e-005	1.6800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.5900e-003	3.5900e-003	1.0000e-005		3.8300e-003
Unmitigated	0.3980	2.0000e-005	1.6800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.5900e-003	3.5900e-003	1.0000e-005		3.8300e-003

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

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0469					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3510					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6000e-004	2.0000e-005	1.6800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.5900e-003	3.5900e-003	1.0000e-005		3.8300e-003
<b>Total</b>	<b>0.3980</b>	<b>2.0000e-005</b>	<b>1.6800e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>3.5900e-003</b>	<b>3.5900e-003</b>	<b>1.0000e-005</b>		<b>3.8300e-003</b>

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

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0469					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3510					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6000e-004	2.0000e-005	1.6800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.5900e-003	3.5900e-003	1.0000e-005		3.8300e-003
<b>Total</b>	<b>0.3980</b>	<b>2.0000e-005</b>	<b>1.6800e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>3.5900e-003</b>	<b>3.5900e-003</b>	<b>1.0000e-005</b>		<b>3.8300e-003</b>

	CO2 MT/yr				Diesel kg CO2/Gallons	Gasoline kg CO2/Gallons	Construction Equipment Gallons	Woker Vehicle Gallons	Vendor Vehicle Gallons	Haul Vehicle Gallons	
	Equipment	Hauling	Vendor	Worker							
Mobilization	0.00	0.00	0.00	0.28	10.21	8.78	0.00	31.94	0.00	0.00	
Prewater	8.36	0.00	0.00	0.28	10.21	8.78	818.79	31.94	0.00	0.00	
Grading	10.42	0.00	0.00	0.37	10.21	8.78	1,020.75	42.59	0.00	0.00	
Building Const	183.09	0.00	41.96	32.12	10.21	8.78	17,932.01	3,658.20	4,109.26	0.00	
Site Work/Paving	22.11	0.00	0.00	1.63	10.21	8.78	2,165.63	185.67	0.00	0.00	
Architectural Coating	0.64	0.00	0.00	0.20	10.21	8.78	62.52	23.06	0.00	0.00	
							21,999.70	3,973.39	4,109.26	0.00	30,082.35



	Annual VMT	Annual CO2 MT	% GAS	% DSL	MT CO2 GAS	MT CO2 DSL	Diesel kg CO2/Gallons	Gasoline kg CO2/Gallons	Diesel Gallons/yr	Gasoline Gallons/yr	Petro Gallons/yr
<b>Project</b>	464,127.00	143.86	80	20	115.09	28.77	10.21	8.78	2,818.09	13,108.27	15,926.36

Percentages based on transporation report

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

**1535-1551 Industrial Ave Project - Construction HRA  
Santa Clara County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	71.61	1000sqft	1.64	71,610.00	0
Other Non-Asphalt Surfaces	1.56	Acre	1.56	67,953.60	0
Parking Lot	44.00	Space	0.40	17,600.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2024
<b>Utility Company</b>	San Jose Clean Energy				
<b>CO2 Intensity (lb/MWhr)</b>	807.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - 1535-1551 Industrial Ave Project. BAAQMD.

Land Use - 71,610 SF warehouse, 44 parking stalls on a 3.6 acre site.

Construction Phase - Per applicant, construction would commence July 2022 and would finalize March 2023.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

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

Off-road Equipment - Default equipment assumed.

Off-road Equipment - No equipment assumed for mobilization.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	158.00
tblConstructionPhase	NumDays	18.00	85.00
tblConstructionPhase	NumDays	18.00	5.00
tblGrading	AcresOfGrading	0.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblTripsAndVMT	VendorTripLength	7.30	0.19
tblTripsAndVMT	WorkerTripNumber	18.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	66.00	0.00
tblTripsAndVMT	WorkerTripNumber	20.00	0.00
tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblVehicleTrips	ST_TR	1.74	2.22
tblVehicleTrips	SU_TR	1.74	2.22
tblVehicleTrips	WD_TR	1.74	2.22

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

**2.0 Emissions Summary**

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.5223	1.2431	1.2978	2.1400e-003	0.0804	0.0626	0.1430	0.0393	0.0585	0.0979	0.0000	185.3167	185.3167	0.0489	4.0000e-004	186.6564
2023	0.0586	0.5450	0.6424	1.0500e-003	1.5000e-004	0.0262	0.0263	4.0000e-005	0.0245	0.0246	0.0000	90.7538	90.7538	0.0230	2.2000e-004	91.3941
<b>Maximum</b>	<b>0.5223</b>	<b>1.2431</b>	<b>1.2978</b>	<b>2.1400e-003</b>	<b>0.0804</b>	<b>0.0626</b>	<b>0.1430</b>	<b>0.0393</b>	<b>0.0585</b>	<b>0.0979</b>	<b>0.0000</b>	<b>185.3167</b>	<b>185.3167</b>	<b>0.0489</b>	<b>4.0000e-004</b>	<b>186.6564</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.5223	1.2431	1.2978	2.1400e-003	0.0363	0.0626	0.0989	0.0177	0.0585	0.0763	0.0000	185.3165	185.3165	0.0489	4.0000e-004	186.6562
2023	0.0586	0.5450	0.6424	1.0500e-003	1.5000e-004	0.0262	0.0263	4.0000e-005	0.0245	0.0246	0.0000	90.7537	90.7537	0.0230	2.2000e-004	91.3940
<b>Maximum</b>	<b>0.5223</b>	<b>1.2431</b>	<b>1.2978</b>	<b>2.1400e-003</b>	<b>0.0363</b>	<b>0.0626</b>	<b>0.0989</b>	<b>0.0177</b>	<b>0.0585</b>	<b>0.0763</b>	<b>0.0000</b>	<b>185.3165</b>	<b>185.3165</b>	<b>0.0489</b>	<b>4.0000e-004</b>	<b>186.6562</b>

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	54.72	0.00	26.02	54.83	0.00	17.63	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail****Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Mobilization	Site Preparation	7/20/2022	7/26/2022	5	5	
2	Prewater	Site Preparation	7/27/2022	8/2/2022	5	5	
3	Grading	Grading	8/3/2022	8/12/2022	5	8	
4	Building Construction and Building Power	Building Construction	8/15/2022	3/22/2023	5	158	
5	Site Work	Paving	10/12/2022	2/7/2023	5	85	
6	Architectural Coating	Architectural Coating	11/28/2022	12/2/2022	5	5	

**Acres of Grading (Site Preparation Phase): 5****Acres of Grading (Grading Phase): 8****Acres of Paving: 1.96****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 107,415; Non-Residential Outdoor: 35,805; Striped Parking Area: 5,133**

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

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Mobilization	Concrete/Industrial Saws	0	8.00	81	0.73
Mobilization	Excavators	0	8.00	158	0.38
Mobilization	Rubber Tired Dozers	0	8.00	247	0.40
Mobilization	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Prewater	Rubber Tired Dozers	3	8.00	247	0.40
Prewater	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction and Building Power	Cranes	1	7.00	231	0.29
Building Construction and Building Power	Forklifts	3	8.00	89	0.20
Building Construction and Building Power	Generator Sets	1	8.00	84	0.74
Building Construction and Building Power	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction and Building Power	Welders	1	8.00	46	0.45
Site Work	Cement and Mortar Mixers	2	6.00	9	0.56
Site Work	Pavers	1	8.00	130	0.42
Site Work	Paving Equipment	2	6.00	132	0.36
Site Work	Rollers	2	6.00	80	0.38
Site Work	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

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

**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
Mobilization	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Prewater	7	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction and Building Power Site Work	9	0.00	26.00	0.00	10.80	0.19	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT















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

**3.5 Building Construction and Building Power - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0853	0.7808	0.8182	1.3500e-003		0.0405	0.0405		0.0381	0.0381	0.0000	115.8626	115.8626	0.0278	0.0000	116.5566
<b>Total</b>	<b>0.0853</b>	<b>0.7808</b>	<b>0.8182</b>	<b>1.3500e-003</b>		<b>0.0405</b>	<b>0.0405</b>		<b>0.0381</b>	<b>0.0381</b>	<b>0.0000</b>	<b>115.8626</b>	<b>115.8626</b>	<b>0.0278</b>	<b>0.0000</b>	<b>116.5566</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	8.3000e-004	0.0165	0.0111	3.0000e-005	2.6000e-004	4.0000e-005	2.9000e-004	8.0000e-005	4.0000e-005	1.1000e-004	0.0000	2.5440	2.5440	7.0000e-005	4.0000e-004	2.6639
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>8.3000e-004</b>	<b>0.0165</b>	<b>0.0111</b>	<b>3.0000e-005</b>	<b>2.6000e-004</b>	<b>4.0000e-005</b>	<b>2.9000e-004</b>	<b>8.0000e-005</b>	<b>4.0000e-005</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>2.5440</b>	<b>2.5440</b>	<b>7.0000e-005</b>	<b>4.0000e-004</b>	<b>2.6639</b>

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0853	0.7808	0.8182	1.3500e-003		0.0405	0.0405		0.0381	0.0381	0.0000	115.8625	115.8625	0.0278	0.0000	116.5564
<b>Total</b>	<b>0.0853</b>	<b>0.7808</b>	<b>0.8182</b>	<b>1.3500e-003</b>		<b>0.0405</b>	<b>0.0405</b>		<b>0.0381</b>	<b>0.0381</b>	<b>0.0000</b>	<b>115.8625</b>	<b>115.8625</b>	<b>0.0278</b>	<b>0.0000</b>	<b>116.5564</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	8.3000e-004	0.0165	0.0111	3.0000e-005	2.6000e-004	4.0000e-005	2.9000e-004	8.0000e-005	4.0000e-005	1.1000e-004	0.0000	2.5440	2.5440	7.0000e-005	4.0000e-004	2.6639
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>8.3000e-004</b>	<b>0.0165</b>	<b>0.0111</b>	<b>3.0000e-005</b>	<b>2.6000e-004</b>	<b>4.0000e-005</b>	<b>2.9000e-004</b>	<b>8.0000e-005</b>	<b>4.0000e-005</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>2.5440</b>	<b>2.5440</b>	<b>7.0000e-005</b>	<b>4.0000e-004</b>	<b>2.6639</b>

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

**3.5 Building Construction and Building Power - 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					
Off-Road	0.0456	0.4172	0.4711	7.8000e-004		0.0203	0.0203		0.0191	0.0191	0.0000	67.2234	67.2234	0.0160	0.0000	67.6232
<b>Total</b>	<b>0.0456</b>	<b>0.4172</b>	<b>0.4711</b>	<b>7.8000e-004</b>		<b>0.0203</b>	<b>0.0203</b>		<b>0.0191</b>	<b>0.0191</b>	<b>0.0000</b>	<b>67.2234</b>	<b>67.2234</b>	<b>0.0160</b>	<b>0.0000</b>	<b>67.6232</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.5000e-004	9.2100e-003	6.7000e-003	1.0000e-005	1.5000e-004	1.0000e-005	1.6000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	1.4193	1.4193	4.0000e-005	2.2000e-004	1.4862
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>4.5000e-004</b>	<b>9.2100e-003</b>	<b>6.7000e-003</b>	<b>1.0000e-005</b>	<b>1.5000e-004</b>	<b>1.0000e-005</b>	<b>1.6000e-004</b>	<b>4.0000e-005</b>	<b>1.0000e-005</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.4193</b>	<b>1.4193</b>	<b>4.0000e-005</b>	<b>2.2000e-004</b>	<b>1.4862</b>



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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0456	0.4172	0.4711	7.8000e-004		0.0203	0.0203		0.0191	0.0191	0.0000	67.2233	67.2233	0.0160	0.0000	67.6231
<b>Total</b>	<b>0.0456</b>	<b>0.4172</b>	<b>0.4711</b>	<b>7.8000e-004</b>		<b>0.0203</b>	<b>0.0203</b>		<b>0.0191</b>	<b>0.0191</b>	<b>0.0000</b>	<b>67.2233</b>	<b>67.2233</b>	<b>0.0160</b>	<b>0.0000</b>	<b>67.6231</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.5000e-004	9.2100e-003	6.7000e-003	1.0000e-005	1.5000e-004	1.0000e-005	1.6000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	1.4193	1.4193	4.0000e-005	2.2000e-004	1.4862
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>4.5000e-004</b>	<b>9.2100e-003</b>	<b>6.7000e-003</b>	<b>1.0000e-005</b>	<b>1.5000e-004</b>	<b>1.0000e-005</b>	<b>1.6000e-004</b>	<b>4.0000e-005</b>	<b>1.0000e-005</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.4193</b>	<b>1.4193</b>	<b>4.0000e-005</b>	<b>2.2000e-004</b>	<b>1.4862</b>

















