

## **APPENDIX E**

### **AIR QUALITY/GREENHOUSE GAS EMISSIONS DATA**

**This page intentionally left blank**

---

Menlo Flats - Bay Area AQMD Air District, Annual

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

**Menlo Flats**

**Bay Area AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unenclosed Parking with Elevator	176.00	Space	0.00	70,400.00	0
City Park	0.48	Acre	0.48	20,908.80	0
Apartments Mid Rise	158.00	Dwelling Unit	0.90	154,730.00	452
Strip Mall	15.00	1000sqft	0.00	15,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	5			<b>Operational Year</b>	2024
<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 -

Land Use - The proposed project would include a 253,702-gross-square-foot, eight-story mixed-use building with approximately 158 dwelling units and 15,000 square feet of commercial space, and open space, circulation and parking, and infrastructure improvements.

Construction Phase - Construction is expected to begin March 2022 and end summer 2024. Phasing based on assumptions provided by Project Applicant. Architectural Coating and Paving phases are default duration.

Trips and VMT - For soil import haul trips, assuming 25 cubic yards of material per load based on information from project applicant.

Demolition - Approximately 24,311 building square footage to be demolished.

Grading - A total of 3,500 cubic yards of soils would be imported.

Vehicle Trips - Based on trip generation prepared for the project (619 net new average daily trips).

Menlo Flats - Bay Area AQMD Air District, Annual

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

Woodstoves - Assuming no hearth as the proposed project would not increase the demand for natural gas as the City's REACH codes would require the buildings to be all electric.

Construction Off-road Equipment Mitigation - Assuming compliance with BAAQMD Basic Construction Mitigation Measures and tier 2 construction equipment.

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation - The project would exceed Title 24 by 20 percent, install solar panels, and meet LEED Gold standards. Also assuming installation of high efficiency lighting and energy efficient appliances.

Water Mitigation - Assuming the installation of low-flow appliances.

Waste Mitigation - Consistent with the CalRecycle Waste Diversion and Recycling Mandate which will reduce solid waste production by 75 percent.

Stationary Sources - Emergency Generators and Fire Pumps - Assuming the emergency generator would run 50 hours per year for testing and emergency use.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2

Menlo Flats - Bay Area AQMD Air District, Annual

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

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	200.00	523.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	4.00	33.00
tblConstructionPhase	NumDays	4.00	33.00
tblConstructionPhase	NumDays	2.00	23.00
tblFireplaces	NumberGas	23.70	0.00
tblFireplaces	NumberNoFireplace	6.32	158.00
tblFireplaces	NumberWood	26.86	0.00
tblGrading	AcresOfGrading	33.00	1.38
tblGrading	AcresOfGrading	33.00	1.38
tblGrading	AcresOfGrading	21.56	1.38
tblGrading	MaterialImported	0.00	3,500.00
tblLandUse	LandUseSquareFeet	158,000.00	154,730.00
tblLandUse	LotAcreage	1.58	0.00
tblLandUse	LotAcreage	4.16	0.90
tblLandUse	LotAcreage	0.34	0.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	402.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.14

Menlo Flats - Bay Area AQMD Air District, Annual

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

tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	111.00	2,000.00
tblTripsAndVMT	HaulingTripNumber	438.00	280.00
tblVehicleTrips	ST_TR	4.91	2.37
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	42.04	16.33
tblVehicleTrips	SU_TR	4.09	2.37
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	20.43	16.33
tblVehicleTrips	WD_TR	5.44	2.37
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	44.32	16.33
tblWoodstoves	NumberCatalytic	3.16	0.00
tblWoodstoves	NumberNoncatalytic	3.16	0.00

**2.0 Emissions Summary**

---

Menlo Flats - Bay Area AQMD Air District, Annual

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

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2535	2.2705	1.8844	4.8400e-003	0.3959	0.0928	0.4887	0.1777	0.0875	0.2652	0.0000	433.1174	433.1174	0.0634	0.0203	440.7409
2023	0.2550	1.7546	2.1535	5.1200e-003	0.1903	0.0689	0.2591	0.0513	0.0665	0.1178	0.0000	449.7266	449.7266	0.0455	0.0164	455.7439
2024	1.3057	0.8692	1.1129	2.6300e-003	0.0969	0.0320	0.1289	0.0261	0.0308	0.0569	0.0000	231.1251	231.1251	0.0242	8.0000e-003	234.1140
<b>Maximum</b>	<b>1.3057</b>	<b>2.2705</b>	<b>2.1535</b>	<b>5.1200e-003</b>	<b>0.3959</b>	<b>0.0928</b>	<b>0.4887</b>	<b>0.1777</b>	<b>0.0875</b>	<b>0.2652</b>	<b>0.0000</b>	<b>449.7266</b>	<b>449.7266</b>	<b>0.0634</b>	<b>0.0203</b>	<b>455.7439</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	0.1424	2.7329	2.0944	4.8400e-003	0.2454	0.0883	0.3337	0.0981	0.0881	0.1862	0.0000	433.1171	433.1171	0.0634	0.0203	440.7406
2023	0.1661	2.4851	2.2663	5.1200e-003	0.1903	0.0971	0.2874	0.0513	0.0970	0.1483	0.0000	449.7263	449.7263	0.0455	0.0164	455.7436
2024	1.2673	1.3115	1.1806	2.6300e-003	0.0969	0.0511	0.1479	0.0261	0.0510	0.0771	0.0000	231.1250	231.1250	0.0242	8.0000e-003	234.1139
<b>Maximum</b>	<b>1.2673</b>	<b>2.7329</b>	<b>2.2663</b>	<b>5.1200e-003</b>	<b>0.2454</b>	<b>0.0971</b>	<b>0.3337</b>	<b>0.0981</b>	<b>0.0970</b>	<b>0.1862</b>	<b>0.0000</b>	<b>449.7263</b>	<b>449.7263</b>	<b>0.0634</b>	<b>0.0203</b>	<b>455.7436</b>

Menlo Flats - Bay Area AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	13.14	-33.41	-7.58	0.00	22.04	-22.10	12.29	31.19	-27.77	6.42	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-15-2022	6-14-2022	0.9553	1.0332
2	6-15-2022	9-14-2022	0.8792	0.9953
3	9-15-2022	12-14-2022	0.5504	0.6809
4	12-15-2022	3-14-2023	0.5084	0.6614
5	3-15-2023	6-14-2023	0.5068	0.6690
6	6-15-2023	9-14-2023	0.5059	0.6681
7	9-15-2023	12-14-2023	0.5045	0.6649
8	12-15-2023	3-14-2024	0.4839	0.6642
9	3-15-2024	6-14-2024	0.5084	0.7201
10	6-15-2024	9-14-2024	1.0927	1.1257
		Highest	1.0927	1.1257



Menlo Flats - Bay Area AQMD Air District, Annual

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

**2.2 Overall Operational**

**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	0.8213	0.0135	1.1744	6.0000e-005		6.5100e-003	6.5100e-003		6.5100e-003	6.5100e-003	0.0000	1.9198	1.9198	1.8500e-003	0.0000	1.9660
Energy	7.5600e-003	0.0648	0.0290	4.1000e-004		5.2200e-003	5.2200e-003		5.2200e-003	5.2200e-003	0.0000	158.4992	158.4992	0.0150	3.0100e-003	159.7712
Mobile	0.2431	0.2609	2.1606	4.2900e-003	0.4578	3.2400e-003	0.4610	0.1223	3.0100e-003	0.1253	0.0000	402.6272	402.6272	0.0283	0.0202	409.3605
Stationary	0.0165	0.0461	0.0421	8.0000e-005		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003	0.0000	7.6540	7.6540	1.0700e-003	0.0000	7.6809
Waste						0.0000	0.0000		0.0000	0.0000	17.9586	0.0000	17.9586	1.0613	0.0000	44.4917
Water						0.0000	0.0000		0.0000	0.0000	3.6184	8.2175	11.8359	0.3730	8.9400e-003	23.8233
<b>Total</b>	<b>1.0884</b>	<b>0.3854</b>	<b>3.4061</b>	<b>4.8400e-003</b>	<b>0.4578</b>	<b>0.0174</b>	<b>0.4752</b>	<b>0.1223</b>	<b>0.0172</b>	<b>0.1395</b>	<b>21.5770</b>	<b>578.9177</b>	<b>600.4947</b>	<b>1.4805</b>	<b>0.0322</b>	<b>647.0936</b>

Menlo Flats - Bay Area AQMD Air District, Annual

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

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8213	0.0135	1.1744	6.0000e-005		6.5100e-003	6.5100e-003		6.5100e-003	6.5100e-003	0.0000	1.9198	1.9198	1.8500e-003	0.0000	1.9660
Energy	6.5100e-003	0.0558	0.0249	3.5000e-004		4.5000e-003	4.5000e-003		4.5000e-003	4.5000e-003	0.0000	112.0167	112.0167	8.9400e-003	2.1100e-003	112.8703
Mobile	0.2313	0.2387	1.9803	3.8000e-003	0.4038	2.9100e-003	0.4067	0.1079	2.7100e-003	0.1106	0.0000	356.8633	356.8633	0.0265	0.0186	363.0517
Stationary	0.0165	0.0461	0.0421	8.0000e-005		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003	0.0000	7.6540	7.6540	1.0700e-003	0.0000	7.6809
Waste						0.0000	0.0000		0.0000	0.0000	4.4897	0.0000	4.4897	0.2653	0.0000	11.1229
Water						0.0000	0.0000		0.0000	0.0000	2.8947	7.0754	9.9702	0.2985	7.1600e-003	19.5651
<b>Total</b>	<b>1.0756</b>	<b>0.3541</b>	<b>3.2217</b>	<b>4.2900e-003</b>	<b>0.4038</b>	<b>0.0164</b>	<b>0.4201</b>	<b>0.1079</b>	<b>0.0162</b>	<b>0.1240</b>	<b>7.3844</b>	<b>485.5292</b>	<b>492.9136</b>	<b>0.6021</b>	<b>0.0278</b>	<b>516.2568</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>1.17</b>	<b>8.10</b>	<b>5.41</b>	<b>11.36</b>	<b>11.80</b>	<b>6.03</b>	<b>11.59</b>	<b>11.81</b>	<b>5.94</b>	<b>11.08</b>	<b>65.78</b>	<b>16.13</b>	<b>17.92</b>	<b>59.33</b>	<b>13.52</b>	<b>20.22</b>

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/15/2022	5/13/2022	5	44	
2	Rough Grading	Grading	5/15/2022	6/29/2022	5	33	

Menlo Flats - Bay Area AQMD Air District, Annual

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

3	Site Preparation	Site Preparation	5/16/2022	6/15/2022	5	23
4	Fine Grading	Grading	6/15/2022	7/29/2022	5	33
5	Building Construction	Building Construction	6/29/2022	6/28/2024	5	523
6	Paving	Paving	6/3/2024	6/14/2024	5	10
7	Architectural Coating	Architectural Coating	6/17/2024	6/28/2024	5	10

**Acres of Grading (Site Preparation Phase): 1.38**

**Acres of Grading (Grading Phase): 1.38**

**Acres of Paving: 0**

**Residential Indoor: 313,328; Residential Outdoor: 104,443; Non-Residential Indoor: 22,500; Non-Residential Outdoor: 7,500; Striped Parking Area: 4,224 (Architectural Coating – sqft)**

**OffRoad Equipment**

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

Menlo Flats - Bay Area AQMD Air District, Annual

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

Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Fine Grading	Graders	1	8.00	187	0.41
Fine Grading	Rubber Tired Dozers	1	8.00	247	0.40
Fine Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	2,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grading	4	10.00	0.00	280.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	157.00	34.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	31.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Menlo Flats - Bay Area AQMD Air District, Annual

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

**3.2 Demolition - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0120	0.0000	0.0120	1.8100e-003	0.0000	1.8100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0372	0.3657	0.3071	5.3000e-004		0.0184	0.0184		0.0172	0.0172	0.0000	46.3709	46.3709	0.0118	0.0000	46.6663
<b>Total</b>	<b>0.0372</b>	<b>0.3657</b>	<b>0.3071</b>	<b>5.3000e-004</b>	<b>0.0120</b>	<b>0.0184</b>	<b>0.0304</b>	<b>1.8100e-003</b>	<b>0.0172</b>	<b>0.0190</b>	<b>0.0000</b>	<b>46.3709</b>	<b>46.3709</b>	<b>0.0118</b>	<b>0.0000</b>	<b>46.6663</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	4.6600e-003	0.1722	0.0366	6.3000e-004	0.0169	1.5400e-003	0.0185	4.6500e-003	1.4800e-003	6.1300e-003	0.0000	62.6843	62.6843	2.0700e-003	9.9300e-003	65.6946
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.9000e-004	5.7000e-004	6.8400e-003	2.0000e-005	2.2600e-003	1.0000e-005	2.2700e-003	6.0000e-004	1.0000e-005	6.1000e-004	0.0000	1.8176	1.8176	6.0000e-005	5.0000e-005	1.8346
<b>Total</b>	<b>5.4500e-003</b>	<b>0.1727</b>	<b>0.0435</b>	<b>6.5000e-004</b>	<b>0.0192</b>	<b>1.5500e-003</b>	<b>0.0207</b>	<b>5.2500e-003</b>	<b>1.4900e-003</b>	<b>6.7400e-003</b>	<b>0.0000</b>	<b>64.5019</b>	<b>64.5019</b>	<b>2.1300e-003</b>	<b>9.9800e-003</b>	<b>67.5292</b>

Menlo Flats - Bay Area AQMD Air District, Annual

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

**3.2 Demolition - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3800e-003	0.0000	5.3800e-003	8.2000e-004	0.0000	8.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0195	0.4665	0.3391	5.3000e-004		0.0158	0.0158		0.0158	0.0158	0.0000	46.3709	46.3709	0.0118	0.0000	46.6663
<b>Total</b>	<b>0.0195</b>	<b>0.4665</b>	<b>0.3391</b>	<b>5.3000e-004</b>	<b>5.3800e-003</b>	<b>0.0158</b>	<b>0.0212</b>	<b>8.2000e-004</b>	<b>0.0158</b>	<b>0.0166</b>	<b>0.0000</b>	<b>46.3709</b>	<b>46.3709</b>	<b>0.0118</b>	<b>0.0000</b>	<b>46.6663</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	4.6600e-003	0.1722	0.0366	6.3000e-004	0.0169	1.5400e-003	0.0185	4.6500e-003	1.4800e-003	6.1300e-003	0.0000	62.6843	62.6843	2.0700e-003	9.9300e-003	65.6946
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.9000e-004	5.7000e-004	6.8400e-003	2.0000e-005	2.2600e-003	1.0000e-005	2.2700e-003	6.0000e-004	1.0000e-005	6.1000e-004	0.0000	1.8176	1.8176	6.0000e-005	5.0000e-005	1.8346
<b>Total</b>	<b>5.4500e-003</b>	<b>0.1727</b>	<b>0.0435</b>	<b>6.5000e-004</b>	<b>0.0192</b>	<b>1.5500e-003</b>	<b>0.0207</b>	<b>5.2500e-003</b>	<b>1.4900e-003</b>	<b>6.7400e-003</b>	<b>0.0000</b>	<b>64.5019</b>	<b>64.5019</b>	<b>2.1300e-003</b>	<b>9.9800e-003</b>	<b>67.5292</b>

Menlo Flats - Bay Area AQMD Air District, Annual

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

**3.3 Rough 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					0.1003	0.0000	0.1003	0.0547	0.0000	0.0547	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0254	0.2802	0.1521	3.4000e-004		0.0123	0.0123		0.0113	0.0113	0.0000	29.8695	29.8695	9.6600e-003	0.0000	30.1110
<b>Total</b>	<b>0.0254</b>	<b>0.2802</b>	<b>0.1521</b>	<b>3.4000e-004</b>	<b>0.1003</b>	<b>0.0123</b>	<b>0.1125</b>	<b>0.0547</b>	<b>0.0113</b>	<b>0.0660</b>	<b>0.0000</b>	<b>29.8695</b>	<b>29.8695</b>	<b>9.6600e-003</b>	<b>0.0000</b>	<b>30.1110</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	6.5000e-004	0.0241	5.1300e-003	9.0000e-005	2.3700e-003	2.2000e-004	2.5800e-003	6.5000e-004	2.1000e-004	8.6000e-004	0.0000	8.7758	8.7758	2.9000e-004	1.3900e-003	9.1973
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.3000e-004	3.9500e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	1.0486	1.0486	3.0000e-005	3.0000e-005	1.0584
<b>Total</b>	<b>1.1000e-003</b>	<b>0.0244</b>	<b>9.0800e-003</b>	<b>1.0000e-004</b>	<b>3.6700e-003</b>	<b>2.3000e-004</b>	<b>3.8900e-003</b>	<b>1.0000e-003</b>	<b>2.2000e-004</b>	<b>1.2100e-003</b>	<b>0.0000</b>	<b>9.8244</b>	<b>9.8244</b>	<b>3.2000e-004</b>	<b>1.4200e-003</b>	<b>10.2557</b>

Menlo Flats - Bay Area AQMD Air District, Annual

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

**3.3 Rough Grading - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0451	0.0000	0.0451	0.0246	0.0000	0.0246	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.2987	0.2004	3.4000e-004		8.0000e-003	8.0000e-003		8.0000e-003	8.0000e-003	0.0000	29.8694	29.8694	9.6600e-003	0.0000	30.1110
<b>Total</b>	<b>0.0103</b>	<b>0.2987</b>	<b>0.2004</b>	<b>3.4000e-004</b>	<b>0.0451</b>	<b>8.0000e-003</b>	<b>0.0531</b>	<b>0.0246</b>	<b>8.0000e-003</b>	<b>0.0326</b>	<b>0.0000</b>	<b>29.8694</b>	<b>29.8694</b>	<b>9.6600e-003</b>	<b>0.0000</b>	<b>30.1110</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	6.5000e-004	0.0241	5.1300e-003	9.0000e-005	2.3700e-003	2.2000e-004	2.5800e-003	6.5000e-004	2.1000e-004	8.6000e-004	0.0000	8.7758	8.7758	2.9000e-004	1.3900e-003	9.1973
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.3000e-004	3.9500e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	1.0486	1.0486	3.0000e-005	3.0000e-005	1.0584
<b>Total</b>	<b>1.1000e-003</b>	<b>0.0244</b>	<b>9.0800e-003</b>	<b>1.0000e-004</b>	<b>3.6700e-003</b>	<b>2.3000e-004</b>	<b>3.8900e-003</b>	<b>1.0000e-003</b>	<b>2.2000e-004</b>	<b>1.2100e-003</b>	<b>0.0000</b>	<b>9.8244</b>	<b>9.8244</b>	<b>3.2000e-004</b>	<b>1.4200e-003</b>	<b>10.2557</b>



Menlo Flats - Bay Area AQMD Air District, Annual

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

**3.4 Site Preparation - 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					0.0613	0.0000	0.0613	0.0334	0.0000	0.0334	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0151	0.1682	0.0816	2.0000e-004		7.1600e-003	7.1600e-003		6.5900e-003	6.5900e-003	0.0000	17.3826	17.3826	5.6200e-003	0.0000	17.5231
<b>Total</b>	<b>0.0151</b>	<b>0.1682</b>	<b>0.0816</b>	<b>2.0000e-004</b>	<b>0.0613</b>	<b>7.1600e-003</b>	<b>0.0685</b>	<b>0.0334</b>	<b>6.5900e-003</b>	<b>0.0400</b>	<b>0.0000</b>	<b>17.3826</b>	<b>17.3826</b>	<b>5.6200e-003</b>	<b>0.0000</b>	<b>17.5231</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	2.5000e-004	1.8000e-004	2.2000e-003	1.0000e-005	7.3000e-004	0.0000	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.5847	0.5847	2.0000e-005	2.0000e-005	0.5902
<b>Total</b>	<b>2.5000e-004</b>	<b>1.8000e-004</b>	<b>2.2000e-003</b>	<b>1.0000e-005</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>7.3000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.5847</b>	<b>0.5847</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.5902</b>

Menlo Flats - Bay Area AQMD Air District, Annual

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

**3.4 Site Preparation - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0276	0.0000	0.0276	0.0150	0.0000	0.0150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.6400e-003	0.1719	0.1130	2.0000e-004		4.3100e-003	4.3100e-003		4.3100e-003	4.3100e-003	0.0000	17.3826	17.3826	5.6200e-003	0.0000	17.5231
<b>Total</b>	<b>5.6400e-003</b>	<b>0.1719</b>	<b>0.1130</b>	<b>2.0000e-004</b>	<b>0.0276</b>	<b>4.3100e-003</b>	<b>0.0319</b>	<b>0.0150</b>	<b>4.3100e-003</b>	<b>0.0193</b>	<b>0.0000</b>	<b>17.3826</b>	<b>17.3826</b>	<b>5.6200e-003</b>	<b>0.0000</b>	<b>17.5231</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	2.5000e-004	1.8000e-004	2.2000e-003	1.0000e-005	7.3000e-004	0.0000	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.5847	0.5847	2.0000e-005	2.0000e-005	0.5902
<b>Total</b>	<b>2.5000e-004</b>	<b>1.8000e-004</b>	<b>2.2000e-003</b>	<b>1.0000e-005</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>7.3000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.5847</b>	<b>0.5847</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.5902</b>

Menlo Flats - Bay Area AQMD Air District, Annual

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

**3.5 Fine 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					0.1001	0.0000	0.1001	0.0547	0.0000	0.0547	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0254	0.2802	0.1521	3.4000e-004		0.0123	0.0123		0.0113	0.0113	0.0000	29.8695	29.8695	9.6600e-003	0.0000	30.1110
<b>Total</b>	<b>0.0254</b>	<b>0.2802</b>	<b>0.1521</b>	<b>3.4000e-004</b>	<b>0.1001</b>	<b>0.0123</b>	<b>0.1124</b>	<b>0.0547</b>	<b>0.0113</b>	<b>0.0660</b>	<b>0.0000</b>	<b>29.8695</b>	<b>29.8695</b>	<b>9.6600e-003</b>	<b>0.0000</b>	<b>30.1110</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	4.5000e-004	3.3000e-004	3.9500e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	1.0486	1.0486	3.0000e-005	3.0000e-005	1.0584
<b>Total</b>	<b>4.5000e-004</b>	<b>3.3000e-004</b>	<b>3.9500e-003</b>	<b>1.0000e-005</b>	<b>1.3000e-003</b>	<b>1.0000e-005</b>	<b>1.3100e-003</b>	<b>3.5000e-004</b>	<b>1.0000e-005</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>1.0486</b>	<b>1.0486</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0584</b>

Menlo Flats - Bay Area AQMD Air District, Annual

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

**3.5 Fine Grading - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0450	0.0000	0.0450	0.0246	0.0000	0.0246	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.2987	0.2004	3.4000e-004		8.0000e-003	8.0000e-003		8.0000e-003	8.0000e-003	0.0000	29.8694	29.8694	9.6600e-003	0.0000	30.1110
<b>Total</b>	<b>0.0103</b>	<b>0.2987</b>	<b>0.2004</b>	<b>3.4000e-004</b>	<b>0.0450</b>	<b>8.0000e-003</b>	<b>0.0530</b>	<b>0.0246</b>	<b>8.0000e-003</b>	<b>0.0326</b>	<b>0.0000</b>	<b>29.8694</b>	<b>29.8694</b>	<b>9.6600e-003</b>	<b>0.0000</b>	<b>30.1110</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	4.5000e-004	3.3000e-004	3.9500e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	1.0486	1.0486	3.0000e-005	3.0000e-005	1.0584
<b>Total</b>	<b>4.5000e-004</b>	<b>3.3000e-004</b>	<b>3.9500e-003</b>	<b>1.0000e-005</b>	<b>1.3000e-003</b>	<b>1.0000e-005</b>	<b>1.3100e-003</b>	<b>3.5000e-004</b>	<b>1.0000e-005</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>1.0486</b>	<b>1.0486</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0584</b>

Menlo Flats - Bay Area AQMD Air District, Annual

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

**3.6 Building Construction - 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	0.1096	0.8315	0.8463	1.4700e-003		0.0392	0.0392		0.0378	0.0378	0.0000	120.7487	120.7487	0.0210	0.0000	121.2744
<b>Total</b>	<b>0.1096</b>	<b>0.8315</b>	<b>0.8463</b>	<b>1.4700e-003</b>		<b>0.0392</b>	<b>0.0392</b>		<b>0.0378</b>	<b>0.0378</b>	<b>0.0000</b>	<b>120.7487</b>	<b>120.7487</b>	<b>0.0210</b>	<b>0.0000</b>	<b>121.2744</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	4.8400e-003	0.1263	0.0368	4.8000e-004	0.0148	1.3000e-003	0.0161	4.2900e-003	1.2400e-003	5.5300e-003	0.0000	46.5659	46.5659	1.0100e-003	6.9000e-003	48.6488
Worker	0.0287	0.0207	0.2497	7.2000e-004	0.0825	4.5000e-004	0.0830	0.0220	4.1000e-004	0.0224	0.0000	66.3509	66.3509	2.0600e-003	1.9100e-003	66.9728
<b>Total</b>	<b>0.0335</b>	<b>0.1470</b>	<b>0.2865</b>	<b>1.2000e-003</b>	<b>0.0973</b>	<b>1.7500e-003</b>	<b>0.0991</b>	<b>0.0262</b>	<b>1.6500e-003</b>	<b>0.0279</b>	<b>0.0000</b>	<b>112.9168</b>	<b>112.9168</b>	<b>3.0700e-003</b>	<b>8.8100e-003</b>	<b>115.6216</b>

Menlo Flats - Bay Area AQMD Air District, Annual

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

**3.6 Building Construction - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0558	1.1524	0.8963	1.4700e-003		0.0486	0.0486		0.0486	0.0486	0.0000	120.7485	120.7485	0.0210	0.0000	121.2743
<b>Total</b>	<b>0.0558</b>	<b>1.1524</b>	<b>0.8963</b>	<b>1.4700e-003</b>		<b>0.0486</b>	<b>0.0486</b>		<b>0.0486</b>	<b>0.0486</b>	<b>0.0000</b>	<b>120.7485</b>	<b>120.7485</b>	<b>0.0210</b>	<b>0.0000</b>	<b>121.2743</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	4.8400e-003	0.1263	0.0368	4.8000e-004	0.0148	1.3000e-003	0.0161	4.2900e-003	1.2400e-003	5.5300e-003	0.0000	46.5659	46.5659	1.0100e-003	6.9000e-003	48.6488
Worker	0.0287	0.0207	0.2497	7.2000e-004	0.0825	4.5000e-004	0.0830	0.0220	4.1000e-004	0.0224	0.0000	66.3509	66.3509	2.0600e-003	1.9100e-003	66.9728
<b>Total</b>	<b>0.0335</b>	<b>0.1470</b>	<b>0.2865</b>	<b>1.2000e-003</b>	<b>0.0973</b>	<b>1.7500e-003</b>	<b>0.0991</b>	<b>0.0262</b>	<b>1.6500e-003</b>	<b>0.0279</b>	<b>0.0000</b>	<b>112.9168</b>	<b>112.9168</b>	<b>3.0700e-003</b>	<b>8.8100e-003</b>	<b>115.6216</b>

Menlo Flats - Bay Area AQMD Air District, Annual

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

**3.6 Building Construction - 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	0.1980	1.5224	1.6394	2.8700e-003		0.0669	0.0669		0.0646	0.0646	0.0000	236.0789	236.0789	0.0401	0.0000	237.0811
<b>Total</b>	<b>0.1980</b>	<b>1.5224</b>	<b>1.6394</b>	<b>2.8700e-003</b>		<b>0.0669</b>	<b>0.0669</b>		<b>0.0646</b>	<b>0.0646</b>	<b>0.0000</b>	<b>236.0789</b>	<b>236.0789</b>	<b>0.0401</b>	<b>0.0000</b>	<b>237.0811</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	4.7100e-003	0.1965	0.0615	9.0000e-004	0.0290	1.1500e-003	0.0302	8.3900e-003	1.1000e-003	9.4900e-003	0.0000	87.2488	87.2488	1.7800e-003	0.0129	91.1395
Worker	0.0522	0.0358	0.4526	1.3600e-003	0.1613	8.3000e-004	0.1621	0.0429	7.7000e-004	0.0437	0.0000	126.3989	126.3989	3.6400e-003	3.4700e-003	127.5233
<b>Total</b>	<b>0.0569</b>	<b>0.2323</b>	<b>0.5141</b>	<b>2.2600e-003</b>	<b>0.1903</b>	<b>1.9800e-003</b>	<b>0.1923</b>	<b>0.0513</b>	<b>1.8700e-003</b>	<b>0.0532</b>	<b>0.0000</b>	<b>213.6477</b>	<b>213.6477</b>	<b>5.4200e-003</b>	<b>0.0164</b>	<b>218.6628</b>

Menlo Flats - Bay Area AQMD Air District, Annual

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

**3.6 Building Construction - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1091	2.2528	1.7522	2.8700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	236.0786	236.0786	0.0401	0.0000	237.0808
<b>Total</b>	<b>0.1091</b>	<b>2.2528</b>	<b>1.7522</b>	<b>2.8700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>236.0786</b>	<b>236.0786</b>	<b>0.0401</b>	<b>0.0000</b>	<b>237.0808</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	4.7100e-003	0.1965	0.0615	9.0000e-004	0.0290	1.1500e-003	0.0302	8.3900e-003	1.1000e-003	9.4900e-003	0.0000	87.2488	87.2488	1.7800e-003	0.0129	91.1395
Worker	0.0522	0.0358	0.4526	1.3600e-003	0.1613	8.3000e-004	0.1621	0.0429	7.7000e-004	0.0437	0.0000	126.3989	126.3989	3.6400e-003	3.4700e-003	127.5233
<b>Total</b>	<b>0.0569</b>	<b>0.2323</b>	<b>0.5141</b>	<b>2.2600e-003</b>	<b>0.1903</b>	<b>1.9800e-003</b>	<b>0.1923</b>	<b>0.0513</b>	<b>1.8700e-003</b>	<b>0.0532</b>	<b>0.0000</b>	<b>213.6477</b>	<b>213.6477</b>	<b>5.4200e-003</b>	<b>0.0164</b>	<b>218.6628</b>



Menlo Flats - Bay Area AQMD Air District, Annual

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

**3.6 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0923	0.7192	0.8136	1.4300e-003		0.0293	0.0293		0.0283	0.0283	0.0000	118.0473	118.0473	0.0197	0.0000	118.5388
<b>Total</b>	<b>0.0923</b>	<b>0.7192</b>	<b>0.8136</b>	<b>1.4300e-003</b>		<b>0.0293</b>	<b>0.0293</b>		<b>0.0283</b>	<b>0.0283</b>	<b>0.0000</b>	<b>118.0473</b>	<b>118.0473</b>	<b>0.0197</b>	<b>0.0000</b>	<b>118.5388</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	2.2900e-003	0.0983	0.0301	4.4000e-004	0.0145	5.8000e-004	0.0151	4.1900e-003	5.5000e-004	4.7500e-003	0.0000	42.9446	42.9446	8.8000e-004	6.3500e-003	44.8596
Worker	0.0244	0.0160	0.2114	6.6000e-004	0.0806	4.0000e-004	0.0810	0.0215	3.6000e-004	0.0218	0.0000	61.6407	61.6407	1.6500e-003	1.6200e-003	62.1634
<b>Total</b>	<b>0.0267</b>	<b>0.1143</b>	<b>0.2415</b>	<b>1.1000e-003</b>	<b>0.0951</b>	<b>9.8000e-004</b>	<b>0.0961</b>	<b>0.0256</b>	<b>9.1000e-004</b>	<b>0.0266</b>	<b>0.0000</b>	<b>104.5853</b>	<b>104.5853</b>	<b>2.5300e-003</b>	<b>7.9700e-003</b>	<b>107.0230</b>

Menlo Flats - Bay Area AQMD Air District, Annual

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

**3.6 Building Construction - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0546	1.1264	0.8761	1.4300e-003		0.0476	0.0476		0.0476	0.0476	0.0000	118.0472	118.0472	0.0197	0.0000	118.5387
<b>Total</b>	<b>0.0546</b>	<b>1.1264</b>	<b>0.8761</b>	<b>1.4300e-003</b>		<b>0.0476</b>	<b>0.0476</b>		<b>0.0476</b>	<b>0.0476</b>	<b>0.0000</b>	<b>118.0472</b>	<b>118.0472</b>	<b>0.0197</b>	<b>0.0000</b>	<b>118.5387</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	2.2900e-003	0.0983	0.0301	4.4000e-004	0.0145	5.8000e-004	0.0151	4.1900e-003	5.5000e-004	4.7500e-003	0.0000	42.9446	42.9446	8.8000e-004	6.3500e-003	44.8596
Worker	0.0244	0.0160	0.2114	6.6000e-004	0.0806	4.0000e-004	0.0810	0.0215	3.6000e-004	0.0218	0.0000	61.6407	61.6407	1.6500e-003	1.6200e-003	62.1634
<b>Total</b>	<b>0.0267</b>	<b>0.1143</b>	<b>0.2415</b>	<b>1.1000e-003</b>	<b>0.0951</b>	<b>9.8000e-004</b>	<b>0.0961</b>	<b>0.0256</b>	<b>9.1000e-004</b>	<b>0.0266</b>	<b>0.0000</b>	<b>104.5853</b>	<b>104.5853</b>	<b>2.5300e-003</b>	<b>7.9700e-003</b>	<b>107.0230</b>

Menlo Flats - Bay Area AQMD Air District, Annual

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

**3.7 Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.0900e-003	0.0293	0.0441	7.0000e-005		1.4100e-003	1.4100e-003		1.3000e-003	1.3000e-003	0.0000	5.8870	5.8870	1.8700e-003	0.0000	5.9337
Paving	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>3.0900e-003</b>	<b>0.0293</b>	<b>0.0441</b>	<b>7.0000e-005</b>		<b>1.4100e-003</b>	<b>1.4100e-003</b>		<b>1.3000e-003</b>	<b>1.3000e-003</b>	<b>0.0000</b>	<b>5.8870</b>	<b>5.8870</b>	<b>1.8700e-003</b>	<b>0.0000</b>	<b>5.9337</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	1.0000e-004	1.3500e-003	0.0000	5.1000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3926	0.3926	1.0000e-005	1.0000e-005	0.3960
<b>Total</b>	<b>1.6000e-004</b>	<b>1.0000e-004</b>	<b>1.3500e-003</b>	<b>0.0000</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>5.2000e-004</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.3926</b>	<b>0.3926</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.3960</b>

Menlo Flats - Bay Area AQMD Air District, Annual

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

**3.7 Paving - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.7500e-003	0.0587	0.0493	7.0000e-005		2.0600e-003	2.0600e-003		2.0600e-003	2.0600e-003	0.0000	5.8870	5.8870	1.8700e-003	0.0000	5.9337
Paving	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>2.7500e-003</b>	<b>0.0587</b>	<b>0.0493</b>	<b>7.0000e-005</b>		<b>2.0600e-003</b>	<b>2.0600e-003</b>		<b>2.0600e-003</b>	<b>2.0600e-003</b>	<b>0.0000</b>	<b>5.8870</b>	<b>5.8870</b>	<b>1.8700e-003</b>	<b>0.0000</b>	<b>5.9337</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	1.0000e-004	1.3500e-003	0.0000	5.1000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3926	0.3926	1.0000e-005	1.0000e-005	0.3960
<b>Total</b>	<b>1.6000e-004</b>	<b>1.0000e-004</b>	<b>1.3500e-003</b>	<b>0.0000</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>5.2000e-004</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.3926</b>	<b>0.3926</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.3960</b>

Menlo Flats - Bay Area AQMD Air District, Annual

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

**3.8 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1821					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0000e-004	6.0900e-003	9.0500e-003	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2784
<b>Total</b>	<b>1.1830</b>	<b>6.0900e-003</b>	<b>9.0500e-003</b>	<b>1.0000e-005</b>		<b>3.0000e-004</b>	<b>3.0000e-004</b>		<b>3.0000e-004</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>1.2766</b>	<b>1.2766</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.2784</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	3.7000e-004	2.4000e-004	3.2100e-003	1.0000e-005	1.2200e-003	1.0000e-005	1.2300e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9362	0.9362	3.0000e-005	2.0000e-005	0.9442
<b>Total</b>	<b>3.7000e-004</b>	<b>2.4000e-004</b>	<b>3.2100e-003</b>	<b>1.0000e-005</b>	<b>1.2200e-003</b>	<b>1.0000e-005</b>	<b>1.2300e-003</b>	<b>3.3000e-004</b>	<b>1.0000e-005</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>0.9362</b>	<b>0.9362</b>	<b>3.0000e-005</b>	<b>2.0000e-005</b>	<b>0.9442</b>

Menlo Flats - Bay Area AQMD Air District, Annual

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

**3.8 Architectural Coating - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1821					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.7000e-004	0.0118	9.1600e-003	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2784
<b>Total</b>	<b>1.1827</b>	<b>0.0118</b>	<b>9.1600e-003</b>	<b>1.0000e-005</b>		<b>4.8000e-004</b>	<b>4.8000e-004</b>		<b>4.8000e-004</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>1.2766</b>	<b>1.2766</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.2784</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	3.7000e-004	2.4000e-004	3.2100e-003	1.0000e-005	1.2200e-003	1.0000e-005	1.2300e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9362	0.9362	3.0000e-005	2.0000e-005	0.9442
<b>Total</b>	<b>3.7000e-004</b>	<b>2.4000e-004</b>	<b>3.2100e-003</b>	<b>1.0000e-005</b>	<b>1.2200e-003</b>	<b>1.0000e-005</b>	<b>1.2300e-003</b>	<b>3.3000e-004</b>	<b>1.0000e-005</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>0.9362</b>	<b>0.9362</b>	<b>3.0000e-005</b>	<b>2.0000e-005</b>	<b>0.9442</b>

Menlo Flats - Bay Area AQMD Air District, Annual

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

- Increase Density
- Increase Diversity
- Improve Destination Accessibility
- Increase Transit Accessibility
- Integrate Below Market Rate Housing
- Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2313	0.2387	1.9803	3.8000e-003	0.4038	2.9100e-003	0.4067	0.1079	2.7100e-003	0.1106	0.0000	356.8633	356.8633	0.0265	0.0186	363.0517
Unmitigated	0.2431	0.2609	2.1606	4.2900e-003	0.4578	3.2400e-003	0.4610	0.1223	3.0100e-003	0.1253	0.0000	402.6272	402.6272	0.0283	0.0202	409.3605

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	374.46	374.46	374.46	864,856	762,803
City Park	0.00	0.00	0.00		
Strip Mall	244.95	244.95	244.95	377,231	332,718
Unenclosed Parking with Elevator	0.00	0.00	0.00		
<b>Total</b>	<b>619.41</b>	<b>619.41</b>	<b>619.41</b>	<b>1,242,087</b>	<b>1,095,520</b>

Menlo Flats - Bay Area AQMD Air District, Annual

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

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15
Unenclosed Parking with	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.553342	0.058522	0.188738	0.121080	0.023016	0.005623	0.010412	0.007562	0.000987	0.000568	0.026444	0.000834	0.002871
City Park	0.553342	0.058522	0.188738	0.121080	0.023016	0.005623	0.010412	0.007562	0.000987	0.000568	0.026444	0.000834	0.002871
Strip Mall	0.553342	0.058522	0.188738	0.121080	0.023016	0.005623	0.010412	0.007562	0.000987	0.000568	0.026444	0.000834	0.002871
Unenclosed Parking with Elevator	0.553342	0.058522	0.188738	0.121080	0.023016	0.005623	0.010412	0.007562	0.000987	0.000568	0.026444	0.000834	0.002871

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Exceed Title 24

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable Energy

Install Energy Efficient Appliances



Menlo Flats - Bay Area AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	47.6252	47.6252	7.7000e-003	9.3000e-004	48.0961
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	83.6621	83.6621	0.0135	1.6400e-003	84.4893
Natural Gas Mitigated	6.5100e-003	0.0558	0.0249	3.5000e-004		4.5000e-003	4.5000e-003		4.5000e-003	4.5000e-003	0.0000	64.3915	64.3915	1.2300e-003	1.1800e-003	64.7741
Natural Gas Unmitigated	7.5600e-003	0.0648	0.0290	4.1000e-004		5.2200e-003	5.2200e-003		5.2200e-003	5.2200e-003	0.0000	74.8372	74.8372	1.4300e-003	1.3700e-003	75.2819

Menlo Flats - Bay Area AQMD Air District, Annual

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

**5.2 Energy by Land Use - NaturalGas**

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.334e+006	7.1900e-003	0.0615	0.0262	3.9000e-004		4.9700e-003	4.9700e-003		4.9700e-003	4.9700e-003	0.0000	71.1871	71.1871	1.3600e-003	1.3100e-003	71.6101
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	68400	3.7000e-004	3.3500e-003	2.8200e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	3.6501	3.6501	7.0000e-005	7.0000e-005	3.6718
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>7.5600e-003</b>	<b>0.0648</b>	<b>0.0290</b>	<b>4.1000e-004</b>		<b>5.2200e-003</b>	<b>5.2200e-003</b>		<b>5.2200e-003</b>	<b>5.2200e-003</b>	<b>0.0000</b>	<b>74.8372</b>	<b>74.8372</b>	<b>1.4300e-003</b>	<b>1.3800e-003</b>	<b>75.2819</b>

Menlo Flats - Bay Area AQMD Air District, Annual

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

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.14983e+006	6.2000e-003	0.0530	0.0226	3.4000e-004		4.2800e-003	4.2800e-003		4.2800e-003	4.2800e-003	0.0000	61.3593	61.3593	1.1800e-003	1.1200e-003	61.7240
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	56820	3.1000e-004	2.7900e-003	2.3400e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	3.0321	3.0321	6.0000e-005	6.0000e-005	3.0502
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>6.5100e-003</b>	<b>0.0558</b>	<b>0.0249</b>	<b>3.6000e-004</b>		<b>4.4900e-003</b>	<b>4.4900e-003</b>		<b>4.4900e-003</b>	<b>4.4900e-003</b>	<b>0.0000</b>	<b>64.3915</b>	<b>64.3915</b>	<b>1.2400e-003</b>	<b>1.1800e-003</b>	<b>64.7741</b>

Menlo Flats - Bay Area AQMD Air District, Annual

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

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	614046	56.8139	9.1900e-003	1.1100e-003	57.3757
City Park	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	153600	14.2117	2.3000e-003	2.8000e-004	14.3522
Unenclosed Parking with Elevator	136576	12.6365	2.0400e-003	2.5000e-004	12.7615
<b>Total</b>		<b>83.6621</b>	<b>0.0135</b>	<b>1.6400e-003</b>	<b>84.4893</b>

Menlo Flats - Bay Area AQMD Air District, Annual

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

**5.3 Energy by Land Use - Electricity**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	405234	37.4938	6.0700e-003	7.4000e-004	37.8645
City Park	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	74160	6.8616	1.1100e-003	1.3000e-004	6.9294
Unenclosed Parking with Elevator	35340.8	3.2699	5.3000e-004	6.0000e-005	3.3022
<b>Total</b>		<b>47.6252</b>	<b>7.7100e-003</b>	<b>9.3000e-004</b>	<b>48.0961</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

No Hearths Installed

Menlo Flats - Bay Area AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8213	0.0135	1.1744	6.0000e-005		6.5100e-003	6.5100e-003		6.5100e-003	6.5100e-003	0.0000	1.9198	1.9198	1.8500e-003	0.0000	1.9660
Unmitigated	0.8213	0.0135	1.1744	6.0000e-005		6.5100e-003	6.5100e-003		6.5100e-003	6.5100e-003	0.0000	1.9198	1.9198	1.8500e-003	0.0000	1.9660

**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	0.1182					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6676					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0354	0.0135	1.1744	6.0000e-005		6.5100e-003	6.5100e-003		6.5100e-003	6.5100e-003	0.0000	1.9198	1.9198	1.8500e-003	0.0000	1.9660
<b>Total</b>	<b>0.8213</b>	<b>0.0135</b>	<b>1.1744</b>	<b>6.0000e-005</b>		<b>6.5100e-003</b>	<b>6.5100e-003</b>		<b>6.5100e-003</b>	<b>6.5100e-003</b>	<b>0.0000</b>	<b>1.9198</b>	<b>1.9198</b>	<b>1.8500e-003</b>	<b>0.0000</b>	<b>1.9660</b>

Menlo Flats - Bay Area AQMD Air District, Annual

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1182					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6676					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0354	0.0135	1.1744	6.0000e-005		6.5100e-003	6.5100e-003		6.5100e-003	6.5100e-003	0.0000	1.9198	1.9198	1.8500e-003	0.0000	1.9660
<b>Total</b>	<b>0.8213</b>	<b>0.0135</b>	<b>1.1744</b>	<b>6.0000e-005</b>		<b>6.5100e-003</b>	<b>6.5100e-003</b>		<b>6.5100e-003</b>	<b>6.5100e-003</b>	<b>0.0000</b>	<b>1.9198</b>	<b>1.9198</b>	<b>1.8500e-003</b>	<b>0.0000</b>	<b>1.9660</b>

**7.0 Water Detail**

---

**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Menlo Flats - Bay Area AQMD Air District, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	9.9702	0.2985	7.1600e-003	19.5651
Unmitigated	11.8359	0.3730	8.9400e-003	23.8233

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	10.2943 / 6.48991	10.5214	0.3366	8.0600e-003	21.3395
City Park	0 / 0.571911	0.1852	3.0000e-005	0.0000	0.1870
Strip Mall	1.11109 / 0.680989	1.1293	0.0363	8.7000e-004	2.2968
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>11.8359</b>	<b>0.3730</b>	<b>8.9300e-003</b>	<b>23.8233</b>



Menlo Flats - Bay Area AQMD Air District, Annual

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

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	8.23547 / 6.48991	8.8374	0.2694	6.4600e-003	17.4961
City Park	0 / 0.571911	0.1852	3.0000e-005	0.0000	0.1870
Strip Mall	0.88887 / 0.680989	0.9475	0.0291	7.0000e-004	1.8820
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>9.9702</b>	<b>0.2985</b>	<b>7.1600e-003</b>	<b>19.5651</b>

**8.0 Waste Detail**

---

**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

Menlo Flats - Bay Area AQMD Air District, Annual

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4.4897	0.2653	0.0000	11.1229
Unmitigated	17.9586	1.0613	0.0000	44.4917

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	72.68	14.7534	0.8719	0.0000	36.5509
City Park	0.04	8.1200e-003	4.8000e-004	0.0000	0.0201
Strip Mall	15.75	3.1971	0.1889	0.0000	7.9207
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>17.9586</b>	<b>1.0613</b>	<b>0.0000</b>	<b>44.4917</b>

Menlo Flats - Bay Area AQMD Air District, Annual

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

**8.2 Waste by Land Use**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	18.17	3.6884	0.2180	0.0000	9.1377
City Park	0.01	2.0300e-003	1.2000e-004	0.0000	5.0300e-003
Strip Mall	3.9375	0.7993	0.0472	0.0000	1.9802
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>4.4897</b>	<b>0.2653</b>	<b>0.0000</b>	<b>11.1229</b>

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.14	50	402	0.73	Diesel

**Boilers**

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

Menlo Flats - Bay Area AQMD Air District, Annual

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

**User Defined Equipment**

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

**10.1 Stationary Sources**

**Unmitigated/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
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (300 - 600 HP)	0.0165	0.0461	0.0421	8.0000e-005		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003	0.0000	7.6540	7.6540	1.0700e-003	0.0000	7.6809
<b>Total</b>	<b>0.0165</b>	<b>0.0461</b>	<b>0.0421</b>	<b>8.0000e-005</b>		<b>2.4300e-003</b>	<b>2.4300e-003</b>		<b>2.4300e-003</b>	<b>2.4300e-003</b>	<b>0.0000</b>	<b>7.6540</b>	<b>7.6540</b>	<b>1.0700e-003</b>	<b>0.0000</b>	<b>7.6809</b>

**11.0 Vegetation**

---

Menlo Flats - Bay Area AQMD Air District, Summer

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

**Menlo Flats**

**Bay Area AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unenclosed Parking with Elevator	176.00	Space	0.00	70,400.00	0
City Park	0.48	Acre	0.48	20,908.80	0
Apartments Mid Rise	158.00	Dwelling Unit	0.90	154,730.00	452
Strip Mall	15.00	1000sqft	0.00	15,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	5			<b>Operational Year</b>	2024
<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 -

Land Use - The proposed project would include a 253,702-gross-square-foot, eight-story mixed-use building with approximately 158 dwelling units and 15,000 square feet of commercial space, and open space, circulation and parking, and infrastructure improvements.

Construction Phase - Construction is expected to begin March 2022 and end summer 2024. Phasing based on assumptions provided by Project Applicant. Architectural Coating and Paving phases are default duration.

Trips and VMT - For soil import haul trips, assuming 25 cubic yards of material per load based on information from project applicant.

Demolition - Approximately 24,311 building square footage to be demolished.

Grading - A total of 3,500 cubic yards of soils would be imported.

Vehicle Trips - Based on trip generation prepared for the project (619 net new average daily trips).

Menlo Flats - Bay Area AQMD Air District, Summer

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

Woodstoves - Assuming no hearth as the proposed project would not increase the demand for natural gas as the City's REACH codes would require the buildings to be all electric.

Construction Off-road Equipment Mitigation - Assuming compliance with BAAQMD Basic Construction Mitigation Measures and tier 2 construction equipment.

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation - The project would exceed Title 24 by 20 percent, install solar panels, and meet LEED Gold standards. Also assuming installation of high efficiency lighting and energy efficient appliances.

Water Mitigation - Assuming the installation of low-flow appliances.

Waste Mitigation - Consistent with the CalRecycle Waste Diversion and Recycling Mandate which will reduce solid waste production by 75 percent.

Stationary Sources - Emergency Generators and Fire Pumps - Assuming the emergency generator would run 50 hours per year for testing and emergency use.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2

Menlo Flats - Bay Area AQMD Air District, Summer

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

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	200.00	523.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	4.00	33.00
tblConstructionPhase	NumDays	4.00	33.00
tblConstructionPhase	NumDays	2.00	23.00
tblFireplaces	NumberGas	23.70	0.00
tblFireplaces	NumberNoFireplace	6.32	158.00
tblFireplaces	NumberWood	26.86	0.00
tblGrading	AcresOfGrading	33.00	1.38
tblGrading	AcresOfGrading	33.00	1.38
tblGrading	AcresOfGrading	21.56	1.38
tblGrading	MaterialImported	0.00	3,500.00
tblLandUse	LandUseSquareFeet	158,000.00	154,730.00
tblLandUse	LotAcreage	1.58	0.00
tblLandUse	LotAcreage	4.16	0.90
tblLandUse	LotAcreage	0.34	0.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	402.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.14

Menlo Flats - Bay Area AQMD Air District, Summer

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

tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	111.00	2,000.00
tblTripsAndVMT	HaulingTripNumber	438.00	280.00
tblVehicleTrips	ST_TR	4.91	2.37
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	42.04	16.33
tblVehicleTrips	SU_TR	4.09	2.37
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	20.43	16.33
tblVehicleTrips	WD_TR	5.44	2.37
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	44.32	16.33
tblWoodstoves	NumberCatalytic	3.16	0.00
tblWoodstoves	NumberNoncatalytic	3.16	0.00

**2.0 Emissions Summary**

---



Menlo Flats - Bay Area AQMD Air District, Summer

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

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

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	5.3575	50.0526	36.5959	0.0889	17.8562	2.1214	19.9776	9.6369	1.9729	11.5890	0.0000	8,674.534 0	8,674.534 0	1.8547	0.4998	8,788.907 8
2023	1.9849	13.4126	16.8299	0.0401	1.5200	0.5297	2.0497	0.4084	0.5112	0.9195	0.0000	3,885.441 7	3,885.441 7	0.3839	0.1365	3,935.701 3
2024	238.5331	18.6194	25.5858	0.0541	1.7747	0.7471	2.3739	0.4759	0.7088	1.1455	0.0000	5,235.920 2	5,235.920 2	0.7881	0.1379	5,295.849 1
<b>Maximum</b>	<b>238.5331</b>	<b>50.0526</b>	<b>36.5959</b>	<b>0.0889</b>	<b>17.8562</b>	<b>2.1214</b>	<b>19.9776</b>	<b>9.6369</b>	<b>1.9729</b>	<b>11.5890</b>	<b>0.0000</b>	<b>8,674.534 0</b>	<b>8,674.534 0</b>	<b>1.8547</b>	<b>0.4998</b>	<b>8,788.907 8</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	2.7200	57.0926	43.1978	0.0889	8.2434	1.7418	9.6025	4.3925	1.7398	5.7509	0.0000	8,674.534 0	8,674.534 0	1.8547	0.4998	8,788.907 7
2023	1.3011	19.0316	17.6974	0.0401	1.5200	0.7467	2.2667	0.4084	0.7458	1.1542	0.0000	3,885.441 7	3,885.441 7	0.3839	0.1365	3,935.701 3
2024	237.8857	30.7660	27.5732	0.0541	1.7747	1.1583	2.7851	0.4759	1.1574	1.5941	0.0000	5,235.920 1	5,235.920 1	0.7881	0.1379	5,295.849 1
<b>Maximum</b>	<b>237.8857</b>	<b>57.0926</b>	<b>43.1978</b>	<b>0.0889</b>	<b>8.2434</b>	<b>1.7418</b>	<b>9.6025</b>	<b>4.3925</b>	<b>1.7398</b>	<b>5.7509</b>	<b>0.0000</b>	<b>8,674.534 0</b>	<b>8,674.534 0</b>	<b>1.8547</b>	<b>0.4998</b>	<b>8,788.907 7</b>

Menlo Flats - Bay Area AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.61	-30.22	-11.97	0.00	45.45	-7.32	39.94	49.85	-14.10	37.75	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	4.6995	0.1503	13.0492	6.9000e-004		0.0723	0.0723		0.0723	0.0723	0.0000	23.5132	23.5132	0.0226	0.0000	24.0789
Energy	0.0414	0.3552	0.1588	2.2600e-003		0.0286	0.0286		0.0286	0.0286		452.0211	452.0211	8.6600e-003	8.2900e-003	454.7073
Mobile	1.4980	1.3178	11.7269	0.0249	2.6143	0.0178	2.6321	0.6963	0.0166	0.7129		2,569.5072	2,569.5072	0.1591	0.1160	2,608.0650
Stationary	0.0924	0.2581	0.2355	4.4000e-004		0.0136	0.0136		0.0136	0.0136		47.2479	47.2479	6.6200e-003		47.4135
<b>Total</b>	<b>6.3314</b>	<b>2.0814</b>	<b>25.1704</b>	<b>0.0282</b>	<b>2.6143</b>	<b>0.1323</b>	<b>2.7466</b>	<b>0.6963</b>	<b>0.1311</b>	<b>0.8274</b>	<b>0.0000</b>	<b>3,092.2893</b>	<b>3,092.2893</b>	<b>0.1971</b>	<b>0.1243</b>	<b>3,134.2646</b>

Menlo Flats - Bay Area AQMD Air District, Summer

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

**2.2 Overall Operational**

**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	4.6995	0.1503	13.0492	6.9000e-004		0.0723	0.0723		0.0723	0.0723	0.0000	23.5132	23.5132	0.0226	0.0000	24.0789
Energy	0.0357	0.3056	0.1364	1.9400e-003		0.0246	0.0246		0.0246	0.0246		388.9284	388.9284	7.4500e-003	7.1300e-003	391.2396
Mobile	1.4349	1.2056	10.6679	0.0220	2.3058	0.0160	2.3218	0.6141	0.0149	0.6290		2,276.7147	2,276.7147	0.1480	0.1063	2,312.0961
Stationary	0.0924	0.2581	0.2355	4.4000e-004		0.0136	0.0136		0.0136	0.0136		47.2479	47.2479	6.6200e-003		47.4135
<b>Total</b>	<b>6.2624</b>	<b>1.9196</b>	<b>24.0890</b>	<b>0.0251</b>	<b>2.3058</b>	<b>0.1265</b>	<b>2.4323</b>	<b>0.6141</b>	<b>0.1254</b>	<b>0.7395</b>	<b>0.0000</b>	<b>2,736.4042</b>	<b>2,736.4042</b>	<b>0.1847</b>	<b>0.1134</b>	<b>2,774.8282</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>1.09</b>	<b>7.77</b>	<b>4.30</b>	<b>11.15</b>	<b>11.80</b>	<b>4.40</b>	<b>11.44</b>	<b>11.80</b>	<b>4.35</b>	<b>10.62</b>	<b>0.00</b>	<b>11.51</b>	<b>11.51</b>	<b>6.25</b>	<b>8.76</b>	<b>11.47</b>

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/15/2022	5/13/2022	5	44	
2	Rough Grading	Grading	5/15/2022	6/29/2022	5	33	
3	Site Preparation	Site Preparation	5/16/2022	6/15/2022	5	23	
4	Fine Grading	Grading	6/15/2022	7/29/2022	5	33	

Menlo Flats - Bay Area AQMD Air District, Summer

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

5	Building Construction	Building Construction	6/29/2022	6/28/2024	5	523
6	Paving	Paving	6/3/2024	6/14/2024	5	10
7	Architectural Coating	Architectural Coating	6/17/2024	6/28/2024	5	10

**Acres of Grading (Site Preparation Phase): 1.38**

**Acres of Grading (Grading Phase): 1.38**

**Acres of Paving: 0**

**Residential Indoor: 313,328; Residential Outdoor: 104,443; Non-Residential Indoor: 22,500; Non-Residential Outdoor: 7,500; Striped Parking Area: 4,224 (Architectural Coating – sqft)**

**OffRoad Equipment**

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

Menlo Flats - Bay Area AQMD Air District, Summer

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

Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Fine Grading	Graders	1	8.00	187	0.41
Fine Grading	Rubber Tired Dozers	1	8.00	247	0.40
Fine Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	2,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grading	4	10.00	0.00	280.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	157.00	34.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	31.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Menlo Flats - Bay Area AQMD Air District, Summer

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

**3.2 Demolition - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5439	0.0000	0.5439	0.0824	0.0000	0.0824			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
<b>Total</b>	<b>1.6889</b>	<b>16.6217</b>	<b>13.9605</b>	<b>0.0241</b>	<b>0.5439</b>	<b>0.8379</b>	<b>1.3818</b>	<b>0.0824</b>	<b>0.7829</b>	<b>0.8652</b>		<b>2,323.4168</b>	<b>2,323.4168</b>	<b>0.5921</b>		<b>2,338.2191</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	0.2141	7.5461	1.6540	0.0289	0.7950	0.0702	0.8651	0.2179	0.0671	0.2850		3,140.3728	3,140.3728	0.1036	0.4974	3,291.1818
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	0.0378	0.0228	0.3361	9.6000e-004	0.1068	5.6000e-004	0.1074	0.0283	5.1000e-004	0.0288		97.2482	97.2482	2.6500e-003	2.4200e-003	98.0371
<b>Total</b>	<b>0.2519</b>	<b>7.5689</b>	<b>1.9900</b>	<b>0.0298</b>	<b>0.9017</b>	<b>0.0707</b>	<b>0.9725</b>	<b>0.2462</b>	<b>0.0676</b>	<b>0.3139</b>		<b>3,237.6210</b>	<b>3,237.6210</b>	<b>0.1062</b>	<b>0.4998</b>	<b>3,389.2189</b>

Menlo Flats - Bay Area AQMD Air District, Summer

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

**3.2 Demolition - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2448	0.0000	0.2448	0.0371	0.0000	0.0371			0.0000			0.0000
Off-Road	0.8857	21.2053	15.4154	0.0241		0.7182	0.7182		0.7182	0.7182	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
<b>Total</b>	<b>0.8857</b>	<b>21.2053</b>	<b>15.4154</b>	<b>0.0241</b>	<b>0.2448</b>	<b>0.7182</b>	<b>0.9629</b>	<b>0.0371</b>	<b>0.7182</b>	<b>0.7552</b>	<b>0.0000</b>	<b>2,323.4168</b>	<b>2,323.4168</b>	<b>0.5921</b>		<b>2,338.2191</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	0.2141	7.5461	1.6540	0.0289	0.7950	0.0702	0.8651	0.2179	0.0671	0.2850		3,140.3728	3,140.3728	0.1036	0.4974	3,291.1818
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	0.0378	0.0228	0.3361	9.6000e-004	0.1068	5.6000e-004	0.1074	0.0283	5.1000e-004	0.0288		97.2482	97.2482	2.6500e-003	2.4200e-003	98.0371
<b>Total</b>	<b>0.2519</b>	<b>7.5689</b>	<b>1.9900</b>	<b>0.0298</b>	<b>0.9017</b>	<b>0.0707</b>	<b>0.9725</b>	<b>0.2462</b>	<b>0.0676</b>	<b>0.3139</b>		<b>3,237.6210</b>	<b>3,237.6210</b>	<b>0.1062</b>	<b>0.4998</b>	<b>3,389.2189</b>

Menlo Flats - Bay Area AQMD Air District, Summer

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

**3.3 Rough 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					6.0784	0.0000	6.0784	3.3168	0.0000	3.3168			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
<b>Total</b>	<b>1.5403</b>	<b>16.9836</b>	<b>9.2202</b>	<b>0.0206</b>	<b>6.0784</b>	<b>0.7423</b>	<b>6.8207</b>	<b>3.3168</b>	<b>0.6829</b>	<b>3.9997</b>		<b>1,995.4825</b>	<b>1,995.4825</b>	<b>0.6454</b>		<b>2,011.6169</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	0.0400	1.4086	0.3087	5.3800e-003	0.1484	0.0131	0.1615	0.0407	0.0125	0.0532		586.2029	586.2029	0.0193	0.0928	614.3539
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	0.0291	0.0175	0.2585	7.4000e-004	0.0822	4.3000e-004	0.0826	0.0218	4.0000e-004	0.0222		74.8063	74.8063	2.0400e-003	1.8700e-003	75.4131
<b>Total</b>	<b>0.0691</b>	<b>1.4262</b>	<b>0.5673</b>	<b>6.1200e-003</b>	<b>0.2305</b>	<b>0.0135</b>	<b>0.2441</b>	<b>0.0625</b>	<b>0.0129</b>	<b>0.0754</b>		<b>661.0092</b>	<b>661.0092</b>	<b>0.0214</b>	<b>0.0947</b>	<b>689.7671</b>



Menlo Flats - Bay Area AQMD Air District, Summer

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

**3.3 Rough Grading - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7353	0.0000	2.7353	1.4926	0.0000	1.4926			0.0000			0.0000
Off-Road	0.6262	18.1050	12.1450	0.0206		0.4850	0.4850		0.4850	0.4850	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
<b>Total</b>	<b>0.6262</b>	<b>18.1050</b>	<b>12.1450</b>	<b>0.0206</b>	<b>2.7353</b>	<b>0.4850</b>	<b>3.2203</b>	<b>1.4926</b>	<b>0.4850</b>	<b>1.9776</b>	<b>0.0000</b>	<b>1,995.4825</b>	<b>1,995.4825</b>	<b>0.6454</b>		<b>2,011.6169</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	0.0400	1.4086	0.3087	5.3800e-003	0.1484	0.0131	0.1615	0.0407	0.0125	0.0532		586.2029	586.2029	0.0193	0.0928	614.3539
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	0.0291	0.0175	0.2585	7.4000e-004	0.0822	4.3000e-004	0.0826	0.0218	4.0000e-004	0.0222		74.8063	74.8063	2.0400e-003	1.8700e-003	75.4131
<b>Total</b>	<b>0.0691</b>	<b>1.4262</b>	<b>0.5673</b>	<b>6.1200e-003</b>	<b>0.2305</b>	<b>0.0135</b>	<b>0.2441</b>	<b>0.0625</b>	<b>0.0129</b>	<b>0.0754</b>		<b>661.0092</b>	<b>661.0092</b>	<b>0.0214</b>	<b>0.0947</b>	<b>689.7671</b>

Menlo Flats - Bay Area AQMD Air District, Summer

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

**3.4 Site Preparation - 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					5.3330	0.0000	5.3330	2.9033	0.0000	2.9033			0.0000			0.0000
Off-Road	1.3122	14.6277	7.0939	0.0172		0.6225	0.6225		0.5727	0.5727		1,666.1738	1,666.1738	0.5389		1,679.6457
<b>Total</b>	<b>1.3122</b>	<b>14.6277</b>	<b>7.0939</b>	<b>0.0172</b>	<b>5.3330</b>	<b>0.6225</b>	<b>5.9555</b>	<b>2.9033</b>	<b>0.5727</b>	<b>3.4760</b>		<b>1,666.1738</b>	<b>1,666.1738</b>	<b>0.5389</b>		<b>1,679.6457</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	0.0233	0.0140	0.2068	5.9000e-004	0.0657	3.4000e-004	0.0661	0.0174	3.2000e-004	0.0178		59.8450	59.8450	1.6300e-003	1.4900e-003	60.3305
<b>Total</b>	<b>0.0233</b>	<b>0.0140</b>	<b>0.2068</b>	<b>5.9000e-004</b>	<b>0.0657</b>	<b>3.4000e-004</b>	<b>0.0661</b>	<b>0.0174</b>	<b>3.2000e-004</b>	<b>0.0178</b>		<b>59.8450</b>	<b>59.8450</b>	<b>1.6300e-003</b>	<b>1.4900e-003</b>	<b>60.3305</b>

Menlo Flats - Bay Area AQMD Air District, Summer

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

**3.4 Site Preparation - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3998	0.0000	2.3998	1.3065	0.0000	1.3065			0.0000			0.0000
Off-Road	0.4908	14.9460	9.8221	0.0172		0.3747	0.3747		0.3747	0.3747	0.0000	1,666.1738	1,666.1738	0.5389		1,679.6457
<b>Total</b>	<b>0.4908</b>	<b>14.9460</b>	<b>9.8221</b>	<b>0.0172</b>	<b>2.3998</b>	<b>0.3747</b>	<b>2.7745</b>	<b>1.3065</b>	<b>0.3747</b>	<b>1.6812</b>	<b>0.0000</b>	<b>1,666.1738</b>	<b>1,666.1738</b>	<b>0.5389</b>		<b>1,679.6457</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	0.0233	0.0140	0.2068	5.9000e-004	0.0657	3.4000e-004	0.0661	0.0174	3.2000e-004	0.0178		59.8450	59.8450	1.6300e-003	1.4900e-003	60.3305
<b>Total</b>	<b>0.0233</b>	<b>0.0140</b>	<b>0.2068</b>	<b>5.9000e-004</b>	<b>0.0657</b>	<b>3.4000e-004</b>	<b>0.0661</b>	<b>0.0174</b>	<b>3.2000e-004</b>	<b>0.0178</b>		<b>59.8450</b>	<b>59.8450</b>	<b>1.6300e-003</b>	<b>1.4900e-003</b>	<b>60.3305</b>

Menlo Flats - Bay Area AQMD Air District, Summer

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

**3.5 Fine 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					6.0664	0.0000	6.0664	3.3150	0.0000	3.3150			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
<b>Total</b>	<b>1.5403</b>	<b>16.9836</b>	<b>9.2202</b>	<b>0.0206</b>	<b>6.0664</b>	<b>0.7423</b>	<b>6.8087</b>	<b>3.3150</b>	<b>0.6829</b>	<b>3.9979</b>		<b>1,995.4825</b>	<b>1,995.4825</b>	<b>0.6454</b>		<b>2,011.6169</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	0.0291	0.0175	0.2585	7.4000e-004	0.0822	4.3000e-004	0.0826	0.0218	4.0000e-004	0.0222		74.8063	74.8063	2.0400e-003	1.8700e-003	75.4131
<b>Total</b>	<b>0.0291</b>	<b>0.0175</b>	<b>0.2585</b>	<b>7.4000e-004</b>	<b>0.0822</b>	<b>4.3000e-004</b>	<b>0.0826</b>	<b>0.0218</b>	<b>4.0000e-004</b>	<b>0.0222</b>		<b>74.8063</b>	<b>74.8063</b>	<b>2.0400e-003</b>	<b>1.8700e-003</b>	<b>75.4131</b>

Menlo Flats - Bay Area AQMD Air District, Summer

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

**3.5 Fine Grading - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7299	0.0000	2.7299	1.4918	0.0000	1.4918			0.0000			0.0000
Off-Road	0.6262	18.1050	12.1450	0.0206		0.4850	0.4850		0.4850	0.4850	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
<b>Total</b>	<b>0.6262</b>	<b>18.1050</b>	<b>12.1450</b>	<b>0.0206</b>	<b>2.7299</b>	<b>0.4850</b>	<b>3.2149</b>	<b>1.4918</b>	<b>0.4850</b>	<b>1.9768</b>	<b>0.0000</b>	<b>1,995.4825</b>	<b>1,995.4825</b>	<b>0.6454</b>		<b>2,011.6169</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	0.0291	0.0175	0.2585	7.4000e-004	0.0822	4.3000e-004	0.0826	0.0218	4.0000e-004	0.0222		74.8063	74.8063	2.0400e-003	1.8700e-003	75.4131
<b>Total</b>	<b>0.0291</b>	<b>0.0175</b>	<b>0.2585</b>	<b>7.4000e-004</b>	<b>0.0822</b>	<b>4.3000e-004</b>	<b>0.0826</b>	<b>0.0218</b>	<b>4.0000e-004</b>	<b>0.0222</b>		<b>74.8063</b>	<b>74.8063</b>	<b>2.0400e-003</b>	<b>1.8700e-003</b>	<b>75.4131</b>

Menlo Flats - Bay Area AQMD Air District, Summer

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

**3.6 Building Construction - 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	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
<b>Total</b>	<b>1.6487</b>	<b>12.5031</b>	<b>12.7264</b>	<b>0.0221</b>		<b>0.5889</b>	<b>0.5889</b>		<b>0.5689</b>	<b>0.5689</b>		<b>2,001.5429</b>	<b>2,001.5429</b>	<b>0.3486</b>		<b>2,010.2581</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	0.0734	1.8341	0.5448	7.2000e-003	0.2303	0.0195	0.2498	0.0663	0.0187	0.0850		771.7519	771.7519	0.0168	0.1144	806.2493
Worker	0.4567	0.2754	4.0587	0.0115	1.2897	6.7400e-003	1.2965	0.3421	6.2100e-003	0.3483		1,174.4589	1,174.4589	0.0320	0.0293	1,183.9864
<b>Total</b>	<b>0.5301</b>	<b>2.1095</b>	<b>4.6035</b>	<b>0.0187</b>	<b>1.5200</b>	<b>0.0263</b>	<b>1.5463</b>	<b>0.4084</b>	<b>0.0249</b>	<b>0.4333</b>		<b>1,946.2107</b>	<b>1,946.2107</b>	<b>0.0488</b>	<b>0.1436</b>	<b>1,990.2356</b>

Menlo Flats - Bay Area AQMD Air District, Summer

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

**3.6 Building Construction - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8395	17.3294	13.4786	0.0221		0.7315	0.7315		0.7315	0.7315	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
<b>Total</b>	<b>0.8395</b>	<b>17.3294</b>	<b>13.4786</b>	<b>0.0221</b>		<b>0.7315</b>	<b>0.7315</b>		<b>0.7315</b>	<b>0.7315</b>	<b>0.0000</b>	<b>2,001.5429</b>	<b>2,001.5429</b>	<b>0.3486</b>		<b>2,010.2581</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	0.0734	1.8341	0.5448	7.2000e-003	0.2303	0.0195	0.2498	0.0663	0.0187	0.0850		771.7519	771.7519	0.0168	0.1144	806.2493
Worker	0.4567	0.2754	4.0587	0.0115	1.2897	6.7400e-003	1.2965	0.3421	6.2100e-003	0.3483		1,174.4589	1,174.4589	0.0320	0.0293	1,183.9864
<b>Total</b>	<b>0.5301</b>	<b>2.1095</b>	<b>4.6035</b>	<b>0.0187</b>	<b>1.5200</b>	<b>0.0263</b>	<b>1.5463</b>	<b>0.4084</b>	<b>0.0249</b>	<b>0.4333</b>		<b>1,946.2107</b>	<b>1,946.2107</b>	<b>0.0488</b>	<b>0.1436</b>	<b>1,990.2356</b>

Menlo Flats - Bay Area AQMD Air District, Summer

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

**3.6 Building Construction - 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	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
<b>Total</b>	<b>1.5233</b>	<b>11.7104</b>	<b>12.6111</b>	<b>0.0221</b>		<b>0.5145</b>	<b>0.5145</b>		<b>0.4968</b>	<b>0.4968</b>		<b>2,001.7877</b>	<b>2,001.7877</b>	<b>0.3399</b>		<b>2,010.2858</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	0.0370	1.4583	0.4657	6.8900e-003	0.2303	8.8300e-003	0.2391	0.0663	8.4400e-003	0.0747		739.3675	739.3675	0.0151	0.1093	772.3177
Worker	0.4247	0.2439	3.7531	0.0112	1.2897	6.4000e-003	1.2961	0.3421	5.8900e-003	0.3480		1,144.2866	1,144.2866	0.0289	0.0272	1,153.0979
<b>Total</b>	<b>0.4617</b>	<b>1.7022</b>	<b>4.2188</b>	<b>0.0181</b>	<b>1.5200</b>	<b>0.0152</b>	<b>1.5352</b>	<b>0.4084</b>	<b>0.0143</b>	<b>0.4227</b>		<b>1,883.6540</b>	<b>1,883.6540</b>	<b>0.0440</b>	<b>0.1365</b>	<b>1,925.4156</b>



Menlo Flats - Bay Area AQMD Air District, Summer

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

**3.6 Building Construction - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8395	17.3294	13.4786	0.0221		0.7315	0.7315		0.7315	0.7315	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858
<b>Total</b>	<b>0.8395</b>	<b>17.3294</b>	<b>13.4786</b>	<b>0.0221</b>		<b>0.7315</b>	<b>0.7315</b>		<b>0.7315</b>	<b>0.7315</b>	<b>0.0000</b>	<b>2,001.7877</b>	<b>2,001.7877</b>	<b>0.3399</b>		<b>2,010.2858</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	0.0370	1.4583	0.4657	6.8900e-003	0.2303	8.8300e-003	0.2391	0.0663	8.4400e-003	0.0747		739.3675	739.3675	0.0151	0.1093	772.3177
Worker	0.4247	0.2439	3.7531	0.0112	1.2897	6.4000e-003	1.2961	0.3421	5.8900e-003	0.3480		1,144.2866	1,144.2866	0.0289	0.0272	1,153.0979
<b>Total</b>	<b>0.4617</b>	<b>1.7022</b>	<b>4.2188</b>	<b>0.0181</b>	<b>1.5200</b>	<b>0.0152</b>	<b>1.5352</b>	<b>0.4084</b>	<b>0.0143</b>	<b>0.4227</b>		<b>1,883.6540</b>	<b>1,883.6540</b>	<b>0.0440</b>	<b>0.1365</b>	<b>1,925.4156</b>

Menlo Flats - Bay Area AQMD Air District, Summer

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

**3.6 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563
<b>Total</b>	<b>1.4200</b>	<b>11.0639</b>	<b>12.5172</b>	<b>0.0221</b>		<b>0.4506</b>	<b>0.4506</b>		<b>0.4348</b>	<b>0.4348</b>		<b>2,001.9214</b>	<b>2,001.9214</b>	<b>0.3334</b>		<b>2,010.2563</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	0.0360	1.4590	0.4558	6.7800e-003	0.2303	8.9000e-003	0.2392	0.0663	8.5200e-003	0.0748		727.8360	727.8360	0.0150	0.1076	760.2721
Worker	0.3967	0.2178	3.4980	0.0108	1.2897	6.0900e-003	1.2958	0.3421	5.6100e-003	0.3477		1,115.8950	1,115.8950	0.0261	0.0253	1,124.0886
<b>Total</b>	<b>0.4327</b>	<b>1.6768</b>	<b>3.9538</b>	<b>0.0176</b>	<b>1.5200</b>	<b>0.0150</b>	<b>1.5350</b>	<b>0.4084</b>	<b>0.0141</b>	<b>0.4225</b>		<b>1,843.7310</b>	<b>1,843.7310</b>	<b>0.0411</b>	<b>0.1329</b>	<b>1,884.3607</b>

Menlo Flats - Bay Area AQMD Air District, Summer

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

**3.6 Building Construction - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8395	17.3294	13.4786	0.0221		0.7315	0.7315		0.7315	0.7315	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563
<b>Total</b>	<b>0.8395</b>	<b>17.3294</b>	<b>13.4786</b>	<b>0.0221</b>		<b>0.7315</b>	<b>0.7315</b>		<b>0.7315</b>	<b>0.7315</b>	<b>0.0000</b>	<b>2,001.9214</b>	<b>2,001.9214</b>	<b>0.3334</b>		<b>2,010.2563</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	0.0360	1.4590	0.4558	6.7800e-003	0.2303	8.9000e-003	0.2392	0.0663	8.5200e-003	0.0748		727.8360	727.8360	0.0150	0.1076	760.2721
Worker	0.3967	0.2178	3.4980	0.0108	1.2897	6.0900e-003	1.2958	0.3421	5.6100e-003	0.3477		1,115.8950	1,115.8950	0.0261	0.0253	1,124.0886
<b>Total</b>	<b>0.4327</b>	<b>1.6768</b>	<b>3.9538</b>	<b>0.0176</b>	<b>1.5200</b>	<b>0.0150</b>	<b>1.5350</b>	<b>0.4084</b>	<b>0.0141</b>	<b>0.4225</b>		<b>1,843.7310</b>	<b>1,843.7310</b>	<b>0.0411</b>	<b>0.1329</b>	<b>1,884.3607</b>

Menlo Flats - Bay Area AQMD Air District, Summer

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

**3.7 Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6180	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594		1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6180</b>	<b>5.8607</b>	<b>8.8253</b>	<b>0.0136</b>		<b>0.2810</b>	<b>0.2810</b>		<b>0.2594</b>	<b>0.2594</b>		<b>1,297.8688</b>	<b>1,297.8688</b>	<b>0.4114</b>		<b>1,308.1547</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	0.0329	0.0180	0.2896	9.0000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		92.3990	92.3990	2.1600e-003	2.1000e-003	93.0774
<b>Total</b>	<b>0.0329</b>	<b>0.0180</b>	<b>0.2896</b>	<b>9.0000e-004</b>	<b>0.1068</b>	<b>5.0000e-004</b>	<b>0.1073</b>	<b>0.0283</b>	<b>4.6000e-004</b>	<b>0.0288</b>		<b>92.3990</b>	<b>92.3990</b>	<b>2.1600e-003</b>	<b>2.1000e-003</b>	<b>93.0774</b>

Menlo Flats - Bay Area AQMD Air District, Summer

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

**3.7 Paving - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5500	11.7418	9.8512	0.0136		0.4113	0.4113		0.4113	0.4113	0.0000	1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.5500</b>	<b>11.7418</b>	<b>9.8512</b>	<b>0.0136</b>		<b>0.4113</b>	<b>0.4113</b>		<b>0.4113</b>	<b>0.4113</b>	<b>0.0000</b>	<b>1,297.8688</b>	<b>1,297.8688</b>	<b>0.4114</b>		<b>1,308.1547</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	0.0329	0.0180	0.2896	9.0000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		92.3990	92.3990	2.1600e-003	2.1000e-003	93.0774
<b>Total</b>	<b>0.0329</b>	<b>0.0180</b>	<b>0.2896</b>	<b>9.0000e-004</b>	<b>0.1068</b>	<b>5.0000e-004</b>	<b>0.1073</b>	<b>0.0283</b>	<b>4.6000e-004</b>	<b>0.0288</b>		<b>92.3990</b>	<b>92.3990</b>	<b>2.1600e-003</b>	<b>2.1000e-003</b>	<b>93.0774</b>

Menlo Flats - Bay Area AQMD Air District, Summer

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

**3.8 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.4214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>236.6021</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</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	0.0783	0.0430	0.6907	2.1400e-003	0.2547	1.2000e-003	0.2559	0.0676	1.1100e-003	0.0687		220.3360	220.3360	5.1500e-003	5.0000e-003	221.9538
<b>Total</b>	<b>0.0783</b>	<b>0.0430</b>	<b>0.6907</b>	<b>2.1400e-003</b>	<b>0.2547</b>	<b>1.2000e-003</b>	<b>0.2559</b>	<b>0.0676</b>	<b>1.1100e-003</b>	<b>0.0687</b>		<b>220.3360</b>	<b>220.3360</b>	<b>5.1500e-003</b>	<b>5.0000e-003</b>	<b>221.9538</b>

Menlo Flats - Bay Area AQMD Air District, Summer

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

**3.8 Architectural Coating - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.4214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>236.5353</b>	<b>2.3524</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</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	0.0783	0.0430	0.6907	2.1400e-003	0.2547	1.2000e-003	0.2559	0.0676	1.1100e-003	0.0687		220.3360	220.3360	5.1500e-003	5.0000e-003	221.9538
<b>Total</b>	<b>0.0783</b>	<b>0.0430</b>	<b>0.6907</b>	<b>2.1400e-003</b>	<b>0.2547</b>	<b>1.2000e-003</b>	<b>0.2559</b>	<b>0.0676</b>	<b>1.1100e-003</b>	<b>0.0687</b>		<b>220.3360</b>	<b>220.3360</b>	<b>5.1500e-003</b>	<b>5.0000e-003</b>	<b>221.9538</b>

Menlo Flats - Bay Area AQMD Air District, Summer

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

- Increase Density
- Increase Diversity
- Improve Destination Accessibility
- Increase Transit Accessibility
- Integrate Below Market Rate Housing
- Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4349	1.2056	10.6679	0.0220	2.3058	0.0160	2.3218	0.6141	0.0149	0.6290		2,276.714 7	2,276.714 7	0.1480	0.1063	2,312.096 1
Unmitigated	1.4980	1.3178	11.7269	0.0249	2.6143	0.0178	2.6321	0.6963	0.0166	0.7129		2,569.507 2	2,569.507 2	0.1591	0.1160	2,608.065 0

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	374.46	374.46	374.46	864,856	762,803
City Park	0.00	0.00	0.00		
Strip Mall	244.95	244.95	244.95	377,231	332,718
Unenclosed Parking with Elevator	0.00	0.00	0.00		
<b>Total</b>	<b>619.41</b>	<b>619.41</b>	<b>619.41</b>	<b>1,242,087</b>	<b>1,095,520</b>



Menlo Flats - Bay Area AQMD Air District, Summer

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

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15
Unenclosed Parking with	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.553342	0.058522	0.188738	0.121080	0.023016	0.005623	0.010412	0.007562	0.000987	0.000568	0.026444	0.000834	0.002871
City Park	0.553342	0.058522	0.188738	0.121080	0.023016	0.005623	0.010412	0.007562	0.000987	0.000568	0.026444	0.000834	0.002871
Strip Mall	0.553342	0.058522	0.188738	0.121080	0.023016	0.005623	0.010412	0.007562	0.000987	0.000568	0.026444	0.000834	0.002871
Unenclosed Parking with Elevator	0.553342	0.058522	0.188738	0.121080	0.023016	0.005623	0.010412	0.007562	0.000987	0.000568	0.026444	0.000834	0.002871

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Exceed Title 24

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable Energy

Install Energy Efficient Appliances

Menlo Flats - Bay Area AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0357	0.3056	0.1364	1.9400e-003		0.0246	0.0246		0.0246	0.0246		388.9284	388.9284	7.4500e-003	7.1300e-003	391.2396
NaturalGas Unmitigated	0.0414	0.3552	0.1588	2.2600e-003		0.0286	0.0286		0.0286	0.0286		452.0211	452.0211	8.6600e-003	8.2900e-003	454.7073

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	3654.78	0.0394	0.3368	0.1433	2.1500e-003		0.0272	0.0272		0.0272	0.0272		429.9744	429.9744	8.2400e-003	7.8800e-003	432.5295
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	187.397	2.0200e-003	0.0184	0.0154	1.1000e-004		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		22.0467	22.0467	4.2000e-004	4.0000e-004	22.1778
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0414</b>	<b>0.3552</b>	<b>0.1588</b>	<b>2.2600e-003</b>		<b>0.0286</b>	<b>0.0286</b>		<b>0.0286</b>	<b>0.0286</b>		<b>452.0211</b>	<b>452.0211</b>	<b>8.6600e-003</b>	<b>8.2800e-003</b>	<b>454.7073</b>

Menlo Flats - Bay Area AQMD Air District, Summer

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

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
Apartments Mid Rise	3.15022	0.0340	0.2903	0.1235	1.8500e-003		0.0235	0.0235		0.0235	0.0235			370.6142	370.6142	7.1000e-003	6.7900e-003	372.8166
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.155671	1.6800e-003	0.0153	0.0128	9.0000e-005		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003			18.3143	18.3143	3.5000e-004	3.4000e-004	18.4231
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0357</b>	<b>0.3056</b>	<b>0.1364</b>	<b>1.9400e-003</b>		<b>0.0246</b>	<b>0.0246</b>		<b>0.0246</b>	<b>0.0246</b>			<b>388.9284</b>	<b>388.9284</b>	<b>7.4500e-003</b>	<b>7.1300e-003</b>	<b>391.2397</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

No Hearths Installed

Menlo Flats - Bay Area AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.6995	0.1503	13.0492	6.9000e-004		0.0723	0.0723		0.0723	0.0723	0.0000	23.5132	23.5132	0.0226	0.0000	24.0789
Unmitigated	4.6995	0.1503	13.0492	6.9000e-004		0.0723	0.0723		0.0723	0.0723	0.0000	23.5132	23.5132	0.0226	0.0000	24.0789

**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	0.6477					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3936	0.1503	13.0492	6.9000e-004		0.0723	0.0723		0.0723	0.0723		23.5132	23.5132	0.0226		24.0789
<b>Total</b>	<b>4.6995</b>	<b>0.1503</b>	<b>13.0492</b>	<b>6.9000e-004</b>		<b>0.0723</b>	<b>0.0723</b>		<b>0.0723</b>	<b>0.0723</b>	<b>0.0000</b>	<b>23.5132</b>	<b>23.5132</b>	<b>0.0226</b>	<b>0.0000</b>	<b>24.0789</b>

Menlo Flats - Bay Area AQMD Air District, Summer

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6477					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3936	0.1503	13.0492	6.9000e-004		0.0723	0.0723		0.0723	0.0723		23.5132	23.5132	0.0226		24.0789
<b>Total</b>	<b>4.6995</b>	<b>0.1503</b>	<b>13.0492</b>	<b>6.9000e-004</b>		<b>0.0723</b>	<b>0.0723</b>		<b>0.0723</b>	<b>0.0723</b>	<b>0.0000</b>	<b>23.5132</b>	<b>23.5132</b>	<b>0.0226</b>	<b>0.0000</b>	<b>24.0789</b>

**7.0 Water Detail**

---

**7.1 Mitigation Measures Water**

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower

**8.0 Waste Detail**

---

**8.1 Mitigation Measures Waste**

- Institute Recycling and Composting Services

Menlo Flats - Bay Area AQMD Air District, Summer

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

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.14	50	402	0.73	Diesel

**Boilers**

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

**User Defined Equipment**

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

**10.1 Stationary Sources**

**Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (300 - 600 HP)	0.0924	0.2581	0.2355	4.4000e-004		0.0136	0.0136		0.0136	0.0136		47.2479	47.2479	6.6200e-003		47.4135
<b>Total</b>	<b>0.0924</b>	<b>0.2581</b>	<b>0.2355</b>	<b>4.4000e-004</b>		<b>0.0136</b>	<b>0.0136</b>		<b>0.0136</b>	<b>0.0136</b>		<b>47.2479</b>	<b>47.2479</b>	<b>6.6200e-003</b>		<b>47.4135</b>

**11.0 Vegetation**

Menlo Flats - Bay Area AQMD Air District, Summer

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

---

Menlo Flats - Bay Area AQMD Air District, Winter

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

**Menlo Flats**

**Bay Area AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unenclosed Parking with Elevator	176.00	Space	0.00	70,400.00	0
City Park	0.48	Acre	0.48	20,908.80	0
Apartments Mid Rise	158.00	Dwelling Unit	0.90	154,730.00	452
Strip Mall	15.00	1000sqft	0.00	15,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	5			<b>Operational Year</b>	2024
<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 -

Land Use - The proposed project would include a 253,702-gross-square-foot, eight-story mixed-use building with approximately 158 dwelling units and 15,000 square feet of commercial space, and open space, circulation and parking, and infrastructure improvements.

Construction Phase - Construction is expected to begin March 2022 and end summer 2024. Phasing based on assumptions provided by Project Applicant. Architectural Coating and Paving phases are default duration.

Trips and VMT - For soil import haul trips, assuming 25 cubic yards of material per load based on information from project applicant.

Demolition - Approximately 24,311 building square footage to be demolished.

Grading - A total of 3,500 cubic yards of soils would be imported.

Vehicle Trips - Based on trip generation prepared for the project (619 net new average daily trips).



Menlo Flats - Bay Area AQMD Air District, Winter

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

Woodstoves - Assuming no hearth as the proposed project would not increase the demand for natural gas as the City's REACH codes would require the buildings to be all electric.

Construction Off-road Equipment Mitigation - Assuming compliance with BAAQMD Basic Construction Mitigation Measures and tier 2 construction equipment.

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation - The project would exceed Title 24 by 20 percent, install solar panels, and meet LEED Gold standards. Also assuming installation of high efficiency lighting and energy efficient appliances.

Water Mitigation - Assuming the installation of low-flow appliances.

Waste Mitigation - Consistent with the CalRecycle Waste Diversion and Recycling Mandate which will reduce solid waste production by 75 percent.

Stationary Sources - Emergency Generators and Fire Pumps - Assuming the emergency generator would run 50 hours per year for testing and emergency use.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2

Menlo Flats - Bay Area AQMD Air District, Winter

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

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	200.00	523.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	4.00	33.00
tblConstructionPhase	NumDays	4.00	33.00
tblConstructionPhase	NumDays	2.00	23.00
tblFireplaces	NumberGas	23.70	0.00
tblFireplaces	NumberNoFireplace	6.32	158.00
tblFireplaces	NumberWood	26.86	0.00
tblGrading	AcresOfGrading	33.00	1.38
tblGrading	AcresOfGrading	33.00	1.38
tblGrading	AcresOfGrading	21.56	1.38
tblGrading	MaterialImported	0.00	3,500.00
tblLandUse	LandUseSquareFeet	158,000.00	154,730.00
tblLandUse	LotAcreage	1.58	0.00
tblLandUse	LotAcreage	4.16	0.90
tblLandUse	LotAcreage	0.34	0.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	402.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.14

Menlo Flats - Bay Area AQMD Air District, Winter

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

tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	111.00	2,000.00
tblTripsAndVMT	HaulingTripNumber	438.00	280.00
tblVehicleTrips	ST_TR	4.91	2.37
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	42.04	16.33
tblVehicleTrips	SU_TR	4.09	2.37
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	20.43	16.33
tblVehicleTrips	WD_TR	5.44	2.37
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	44.32	16.33
tblWoodstoves	NumberCatalytic	3.16	0.00
tblWoodstoves	NumberNoncatalytic	3.16	0.00

**2.0 Emissions Summary**

---

Menlo Flats - Bay Area AQMD Air District, Winter

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

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

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	5.3669	50.2741	36.4086	0.0879	17.8562	2.1214	19.9776	9.6369	1.9729	11.5890	0.0000	8,580.948 2	8,580.948 2	1.8554	0.5004	8,696.993 0
2023	1.9945	13.5545	16.6872	0.0394	1.5200	0.5298	2.0497	0.4084	0.5112	0.9196	0.0000	3,805.390 1	3,805.390 1	0.3878	0.1408	3,857.051 0
2024	238.5459	18.7593	25.4545	0.0533	1.7747	0.7472	2.3740	0.4759	0.7088	1.1455	0.0000	5,151.520 1	5,151.520 1	0.7920	0.1427	5,212.855 1
<b>Maximum</b>	<b>238.5459</b>	<b>50.2741</b>	<b>36.4086</b>	<b>0.0879</b>	<b>17.8562</b>	<b>2.1214</b>	<b>19.9776</b>	<b>9.6369</b>	<b>1.9729</b>	<b>11.5890</b>	<b>0.0000</b>	<b>8,580.948 2</b>	<b>8,580.948 2</b>	<b>1.8554</b>	<b>0.5004</b>	<b>8,696.993 0</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	2.7294	57.3432	43.0105	0.0879	8.2434	1.7419	9.6025	4.3925	1.7398	5.7509	0.0000	8,580.948 2	8,580.948 2	1.8554	0.5004	8,696.993 0
2023	1.3107	19.1735	17.5548	0.0394	1.5200	0.7468	2.2668	0.4084	0.7459	1.1543	0.0000	3,805.390 1	3,805.390 1	0.3878	0.1408	3,857.051 0
2024	237.8985	30.9059	27.4418	0.0533	1.7747	1.1584	2.7852	0.4759	1.1575	1.5942	0.0000	5,151.520 1	5,151.520 1	0.7920	0.1427	5,212.855 1
<b>Maximum</b>	<b>237.8985</b>	<b>57.3432</b>	<b>43.0105</b>	<b>0.0879</b>	<b>8.2434</b>	<b>1.7419</b>	<b>9.6025</b>	<b>4.3925</b>	<b>1.7398</b>	<b>5.7509</b>	<b>0.0000</b>	<b>8,580.948 2</b>	<b>8,580.948 2</b>	<b>1.8554</b>	<b>0.5004</b>	<b>8,696.993 0</b>

Menlo Flats - Bay Area AQMD Air District, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.61	-30.07	-12.04	0.00	45.45	-7.32	39.94	49.85	-14.10	37.75	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	4.6995	0.1503	13.0492	6.9000e-004		0.0723	0.0723		0.0723	0.0723	0.0000	23.5132	23.5132	0.0226	0.0000	24.0789
Energy	0.0414	0.3552	0.1588	2.2600e-003		0.0286	0.0286		0.0286	0.0286		452.0211	452.0211	8.6600e-003	8.2900e-003	454.7073
Mobile	1.3357	1.5178	12.7166	0.0235	2.6143	0.0178	2.6321	0.6963	0.0166	0.7129		2,427.3865	2,427.3865	0.1824	0.1275	2,469.9367
Stationary	0.0924	0.2581	0.2355	4.4000e-004		0.0136	0.0136		0.0136	0.0136		47.2479	47.2479	6.6200e-003		47.4135
<b>Total</b>	<b>6.1690</b>	<b>2.2814</b>	<b>26.1601</b>	<b>0.0269</b>	<b>2.6143</b>	<b>0.1323</b>	<b>2.7466</b>	<b>0.6963</b>	<b>0.1311</b>	<b>0.8274</b>	<b>0.0000</b>	<b>2,950.1686</b>	<b>2,950.1686</b>	<b>0.2203</b>	<b>0.1358</b>	<b>2,996.1363</b>

Menlo Flats - Bay Area AQMD Air District, Winter

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

**2.2 Overall Operational**

**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	4.6995	0.1503	13.0492	6.9000e-004		0.0723	0.0723		0.0723	0.0723	0.0000	23.5132	23.5132	0.0226	0.0000	24.0789
Energy	0.0357	0.3056	0.1364	1.9400e-003		0.0246	0.0246		0.0246	0.0246		388.9284	388.9284	7.4500e-003	7.1300e-003	391.2396
Mobile	1.2693	1.3894	11.6942	0.0208	2.3058	0.0160	2.3218	0.6141	0.0149	0.6290		2,151.6910	2,151.6910	0.1711	0.1170	2,190.8321
Stationary	0.0924	0.2581	0.2355	4.4000e-004		0.0136	0.0136		0.0136	0.0136		47.2479	47.2479	6.6200e-003		47.4135
<b>Total</b>	<b>6.0968</b>	<b>2.1034</b>	<b>25.1153</b>	<b>0.0239</b>	<b>2.3058</b>	<b>0.1265</b>	<b>2.4323</b>	<b>0.6141</b>	<b>0.1254</b>	<b>0.7395</b>	<b>0.0000</b>	<b>2,611.3804</b>	<b>2,611.3804</b>	<b>0.2078</b>	<b>0.1241</b>	<b>2,653.5641</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>1.17</b>	<b>7.80</b>	<b>3.99</b>	<b>11.13</b>	<b>11.80</b>	<b>4.40</b>	<b>11.44</b>	<b>11.80</b>	<b>4.35</b>	<b>10.62</b>	<b>0.00</b>	<b>11.48</b>	<b>11.48</b>	<b>5.66</b>	<b>8.58</b>	<b>11.43</b>

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/15/2022	5/13/2022	5	44	
2	Rough Grading	Grading	5/15/2022	6/29/2022	5	33	
3	Site Preparation	Site Preparation	5/16/2022	6/15/2022	5	23	
4	Fine Grading	Grading	6/15/2022	7/29/2022	5	33	

Menlo Flats - Bay Area AQMD Air District, Winter

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

5	Building Construction	Building Construction	6/29/2022	6/28/2024	5	523
6	Paving	Paving	6/3/2024	6/14/2024	5	10
7	Architectural Coating	Architectural Coating	6/17/2024	6/28/2024	5	10

**Acres of Grading (Site Preparation Phase): 1.38**

**Acres of Grading (Grading Phase): 1.38**

**Acres of Paving: 0**

**Residential Indoor: 313,328; Residential Outdoor: 104,443; Non-Residential Indoor: 22,500; Non-Residential Outdoor: 7,500; Striped Parking Area: 4,224 (Architectural Coating – sqft)**

**OffRoad Equipment**

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

Menlo Flats - Bay Area AQMD Air District, Winter

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

Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Fine Grading	Graders	1	8.00	187	0.41
Fine Grading	Rubber Tired Dozers	1	8.00	247	0.40
Fine Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	2,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grading	4	10.00	0.00	280.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	157.00	34.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	31.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads



Menlo Flats - Bay Area AQMD Air District, Winter

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

**3.2 Demolition - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5439	0.0000	0.5439	0.0824	0.0000	0.0824			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
<b>Total</b>	<b>1.6889</b>	<b>16.6217</b>	<b>13.9605</b>	<b>0.0241</b>	<b>0.5439</b>	<b>0.8379</b>	<b>1.3818</b>	<b>0.0824</b>	<b>0.7829</b>	<b>0.8652</b>		<b>2,323.4168</b>	<b>2,323.4168</b>	<b>0.5921</b>		<b>2,338.2191</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	0.2092	7.9622	1.6805	0.0289	0.7950	0.0703	0.8652	0.2179	0.0672	0.2851		3,141.3937	3,141.3937	0.1033	0.4976	3,292.2526
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	0.0386	0.0282	0.3206	8.9000e-004	0.1068	5.6000e-004	0.1074	0.0283	5.1000e-004	0.0288		90.3377	90.3377	3.0000e-003	2.7900e-003	91.2450
<b>Total</b>	<b>0.2478</b>	<b>7.9904</b>	<b>2.0011</b>	<b>0.0297</b>	<b>0.9017</b>	<b>0.0708</b>	<b>0.9726</b>	<b>0.2462</b>	<b>0.0677</b>	<b>0.3140</b>		<b>3,231.7314</b>	<b>3,231.7314</b>	<b>0.1063</b>	<b>0.5004</b>	<b>3,383.4976</b>

Menlo Flats - Bay Area AQMD Air District, Winter

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

**3.2 Demolition - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2448	0.0000	0.2448	0.0371	0.0000	0.0371			0.0000			0.0000
Off-Road	0.8857	21.2053	15.4154	0.0241		0.7182	0.7182		0.7182	0.7182	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
<b>Total</b>	<b>0.8857</b>	<b>21.2053</b>	<b>15.4154</b>	<b>0.0241</b>	<b>0.2448</b>	<b>0.7182</b>	<b>0.9629</b>	<b>0.0371</b>	<b>0.7182</b>	<b>0.7552</b>	<b>0.0000</b>	<b>2,323.4168</b>	<b>2,323.4168</b>	<b>0.5921</b>		<b>2,338.2191</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	0.2092	7.9622	1.6805	0.0289	0.7950	0.0703	0.8652	0.2179	0.0672	0.2851		3,141.3937	3,141.3937	0.1033	0.4976	3,292.2526
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	0.0386	0.0282	0.3206	8.9000e-004	0.1068	5.6000e-004	0.1074	0.0283	5.1000e-004	0.0288		90.3377	90.3377	3.0000e-003	2.7900e-003	91.2450
<b>Total</b>	<b>0.2478</b>	<b>7.9904</b>	<b>2.0011</b>	<b>0.0297</b>	<b>0.9017</b>	<b>0.0708</b>	<b>0.9726</b>	<b>0.2462</b>	<b>0.0677</b>	<b>0.3140</b>		<b>3,231.7314</b>	<b>3,231.7314</b>	<b>0.1063</b>	<b>0.5004</b>	<b>3,383.4976</b>

Menlo Flats - Bay Area AQMD Air District, Winter

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

**3.3 Rough 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					6.0784	0.0000	6.0784	3.3168	0.0000	3.3168			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
<b>Total</b>	<b>1.5403</b>	<b>16.9836</b>	<b>9.2202</b>	<b>0.0206</b>	<b>6.0784</b>	<b>0.7423</b>	<b>6.8207</b>	<b>3.3168</b>	<b>0.6829</b>	<b>3.9997</b>		<b>1,995.4825</b>	<b>1,995.4825</b>	<b>0.6454</b>		<b>2,011.6169</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	0.0391	1.4863	0.3137	5.3900e-003	0.1484	0.0131	0.1615	0.0407	0.0126	0.0532		586.3935	586.3935	0.0193	0.0929	614.5538
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0297	0.0217	0.2466	6.8000e-004	0.0822	4.3000e-004	0.0826	0.0218	4.0000e-004	0.0222		69.4905	69.4905	2.3100e-003	2.1500e-003	70.1885
<b>Total</b>	<b>0.0688</b>	<b>1.5079</b>	<b>0.5603</b>	<b>6.0700e-003</b>	<b>0.2305</b>	<b>0.0135</b>	<b>0.2441</b>	<b>0.0625</b>	<b>0.0130</b>	<b>0.0754</b>		<b>655.8840</b>	<b>655.8840</b>	<b>0.0216</b>	<b>0.0950</b>	<b>684.7423</b>

Menlo Flats - Bay Area AQMD Air District, Winter

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

**3.3 Rough Grading - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7353	0.0000	2.7353	1.4926	0.0000	1.4926			0.0000			0.0000
Off-Road	0.6262	18.1050	12.1450	0.0206		0.4850	0.4850		0.4850	0.4850	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
<b>Total</b>	<b>0.6262</b>	<b>18.1050</b>	<b>12.1450</b>	<b>0.0206</b>	<b>2.7353</b>	<b>0.4850</b>	<b>3.2203</b>	<b>1.4926</b>	<b>0.4850</b>	<b>1.9776</b>	<b>0.0000</b>	<b>1,995.4825</b>	<b>1,995.4825</b>	<b>0.6454</b>		<b>2,011.6169</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	0.0391	1.4863	0.3137	5.3900e-003	0.1484	0.0131	0.1615	0.0407	0.0126	0.0532		586.3935	586.3935	0.0193	0.0929	614.5538
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0297	0.0217	0.2466	6.8000e-004	0.0822	4.3000e-004	0.0826	0.0218	4.0000e-004	0.0222		69.4905	69.4905	2.3100e-003	2.1500e-003	70.1885
<b>Total</b>	<b>0.0688</b>	<b>1.5079</b>	<b>0.5603</b>	<b>6.0700e-003</b>	<b>0.2305</b>	<b>0.0135</b>	<b>0.2441</b>	<b>0.0625</b>	<b>0.0130</b>	<b>0.0754</b>		<b>655.8840</b>	<b>655.8840</b>	<b>0.0216</b>	<b>0.0950</b>	<b>684.7423</b>

Menlo Flats - Bay Area AQMD Air District, Winter

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

**3.4 Site Preparation - 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					5.3330	0.0000	5.3330	2.9033	0.0000	2.9033			0.0000			0.0000
Off-Road	1.3122	14.6277	7.0939	0.0172		0.6225	0.6225		0.5727	0.5727		1,666.1738	1,666.1738	0.5389		1,679.6457
<b>Total</b>	<b>1.3122</b>	<b>14.6277</b>	<b>7.0939</b>	<b>0.0172</b>	<b>5.3330</b>	<b>0.6225</b>	<b>5.9555</b>	<b>2.9033</b>	<b>0.5727</b>	<b>3.4760</b>		<b>1,666.1738</b>	<b>1,666.1738</b>	<b>0.5389</b>		<b>1,679.6457</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	0.0238	0.0173	0.1973	5.5000e-004	0.0657	3.4000e-004	0.0661	0.0174	3.2000e-004	0.0178		55.5924	55.5924	1.8500e-003	1.7200e-003	56.1508
<b>Total</b>	<b>0.0238</b>	<b>0.0173</b>	<b>0.1973</b>	<b>5.5000e-004</b>	<b>0.0657</b>	<b>3.4000e-004</b>	<b>0.0661</b>	<b>0.0174</b>	<b>3.2000e-004</b>	<b>0.0178</b>		<b>55.5924</b>	<b>55.5924</b>	<b>1.8500e-003</b>	<b>1.7200e-003</b>	<b>56.1508</b>

Menlo Flats - Bay Area AQMD Air District, Winter

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

**3.4 Site Preparation - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3998	0.0000	2.3998	1.3065	0.0000	1.3065			0.0000			0.0000
Off-Road	0.4908	14.9460	9.8221	0.0172		0.3747	0.3747		0.3747	0.3747	0.0000	1,666.1738	1,666.1738	0.5389		1,679.6457
<b>Total</b>	<b>0.4908</b>	<b>14.9460</b>	<b>9.8221</b>	<b>0.0172</b>	<b>2.3998</b>	<b>0.3747</b>	<b>2.7745</b>	<b>1.3065</b>	<b>0.3747</b>	<b>1.6812</b>	<b>0.0000</b>	<b>1,666.1738</b>	<b>1,666.1738</b>	<b>0.5389</b>		<b>1,679.6457</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	0.0238	0.0173	0.1973	5.5000e-004	0.0657	3.4000e-004	0.0661	0.0174	3.2000e-004	0.0178		55.5924	55.5924	1.8500e-003	1.7200e-003	56.1508
<b>Total</b>	<b>0.0238</b>	<b>0.0173</b>	<b>0.1973</b>	<b>5.5000e-004</b>	<b>0.0657</b>	<b>3.4000e-004</b>	<b>0.0661</b>	<b>0.0174</b>	<b>3.2000e-004</b>	<b>0.0178</b>		<b>55.5924</b>	<b>55.5924</b>	<b>1.8500e-003</b>	<b>1.7200e-003</b>	<b>56.1508</b>

Menlo Flats - Bay Area AQMD Air District, Winter

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

**3.5 Fine 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					6.0664	0.0000	6.0664	3.3150	0.0000	3.3150			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
<b>Total</b>	<b>1.5403</b>	<b>16.9836</b>	<b>9.2202</b>	<b>0.0206</b>	<b>6.0664</b>	<b>0.7423</b>	<b>6.8087</b>	<b>3.3150</b>	<b>0.6829</b>	<b>3.9979</b>		<b>1,995.4825</b>	<b>1,995.4825</b>	<b>0.6454</b>		<b>2,011.6169</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	0.0297	0.0217	0.2466	6.8000e-004	0.0822	4.3000e-004	0.0826	0.0218	4.0000e-004	0.0222		69.4905	69.4905	2.3100e-003	2.1500e-003	70.1885
<b>Total</b>	<b>0.0297</b>	<b>0.0217</b>	<b>0.2466</b>	<b>6.8000e-004</b>	<b>0.0822</b>	<b>4.3000e-004</b>	<b>0.0826</b>	<b>0.0218</b>	<b>4.0000e-004</b>	<b>0.0222</b>		<b>69.4905</b>	<b>69.4905</b>	<b>2.3100e-003</b>	<b>2.1500e-003</b>	<b>70.1885</b>

Menlo Flats - Bay Area AQMD Air District, Winter

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

**3.5 Fine Grading - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7299	0.0000	2.7299	1.4918	0.0000	1.4918			0.0000			0.0000
Off-Road	0.6262	18.1050	12.1450	0.0206		0.4850	0.4850		0.4850	0.4850	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
<b>Total</b>	<b>0.6262</b>	<b>18.1050</b>	<b>12.1450</b>	<b>0.0206</b>	<b>2.7299</b>	<b>0.4850</b>	<b>3.2149</b>	<b>1.4918</b>	<b>0.4850</b>	<b>1.9768</b>	<b>0.0000</b>	<b>1,995.4825</b>	<b>1,995.4825</b>	<b>0.6454</b>		<b>2,011.6169</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	0.0297	0.0217	0.2466	6.8000e-004	0.0822	4.3000e-004	0.0826	0.0218	4.0000e-004	0.0222		69.4905	69.4905	2.3100e-003	2.1500e-003	70.1885
<b>Total</b>	<b>0.0297</b>	<b>0.0217</b>	<b>0.2466</b>	<b>6.8000e-004</b>	<b>0.0822</b>	<b>4.3000e-004</b>	<b>0.0826</b>	<b>0.0218</b>	<b>4.0000e-004</b>	<b>0.0222</b>		<b>69.4905</b>	<b>69.4905</b>	<b>2.3100e-003</b>	<b>2.1500e-003</b>	<b>70.1885</b>



Menlo Flats - Bay Area AQMD Air District, Winter

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

**3.6 Building Construction - 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	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
<b>Total</b>	<b>1.6487</b>	<b>12.5031</b>	<b>12.7264</b>	<b>0.0221</b>		<b>0.5889</b>	<b>0.5889</b>		<b>0.5689</b>	<b>0.5689</b>		<b>2,001.5429</b>	<b>2,001.5429</b>	<b>0.3486</b>		<b>2,010.2581</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	0.0726	1.9343	0.5638	7.2000e-003	0.2303	0.0196	0.2499	0.0663	0.0187	0.0850		772.0645	772.0645	0.0167	0.1145	806.6117
Worker	0.4666	0.3399	3.8713	0.0107	1.2897	6.7400e-003	1.2965	0.3421	6.2100e-003	0.3483		1,091.0015	1,091.0015	0.0362	0.0337	1,101.9587
<b>Total</b>	<b>0.5391</b>	<b>2.2743</b>	<b>4.4350</b>	<b>0.0179</b>	<b>1.5200</b>	<b>0.0263</b>	<b>1.5463</b>	<b>0.4084</b>	<b>0.0250</b>	<b>0.4333</b>		<b>1,863.0659</b>	<b>1,863.0659</b>	<b>0.0530</b>	<b>0.1483</b>	<b>1,908.5703</b>

Menlo Flats - Bay Area AQMD Air District, Winter

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

**3.6 Building Construction - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8395	17.3294	13.4786	0.0221		0.7315	0.7315		0.7315	0.7315	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
<b>Total</b>	<b>0.8395</b>	<b>17.3294</b>	<b>13.4786</b>	<b>0.0221</b>		<b>0.7315</b>	<b>0.7315</b>		<b>0.7315</b>	<b>0.7315</b>	<b>0.0000</b>	<b>2,001.5429</b>	<b>2,001.5429</b>	<b>0.3486</b>		<b>2,010.2581</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	0.0726	1.9343	0.5638	7.2000e-003	0.2303	0.0196	0.2499	0.0663	0.0187	0.0850		772.0645	772.0645	0.0167	0.1145	806.6117
Worker	0.4666	0.3399	3.8713	0.0107	1.2897	6.7400e-003	1.2965	0.3421	6.2100e-003	0.3483		1,091.0015	1,091.0015	0.0362	0.0337	1,101.9587
<b>Total</b>	<b>0.5391</b>	<b>2.2743</b>	<b>4.4350</b>	<b>0.0179</b>	<b>1.5200</b>	<b>0.0263</b>	<b>1.5463</b>	<b>0.4084</b>	<b>0.0250</b>	<b>0.4333</b>		<b>1,863.0659</b>	<b>1,863.0659</b>	<b>0.0530</b>	<b>0.1483</b>	<b>1,908.5703</b>

Menlo Flats - Bay Area AQMD Air District, Winter

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

**3.6 Building Construction - 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	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
<b>Total</b>	<b>1.5233</b>	<b>11.7104</b>	<b>12.6111</b>	<b>0.0221</b>		<b>0.5145</b>	<b>0.5145</b>		<b>0.4968</b>	<b>0.4968</b>		<b>2,001.7877</b>	<b>2,001.7877</b>	<b>0.3399</b>		<b>2,010.2858</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	0.0357	1.5431	0.4816	6.9000e-003	0.2303	8.8700e-003	0.2391	0.0663	8.4800e-003	0.0748		740.4251	740.4251	0.0150	0.1096	773.4558
Worker	0.4355	0.3010	3.5946	0.0104	1.2897	6.4000e-003	1.2961	0.3421	5.8900e-003	0.3480		1,063.1774	1,063.1774	0.0328	0.0313	1,073.3095
<b>Total</b>	<b>0.4713</b>	<b>1.8441</b>	<b>4.0762</b>	<b>0.0173</b>	<b>1.5200</b>	<b>0.0153</b>	<b>1.5353</b>	<b>0.4084</b>	<b>0.0144</b>	<b>0.4228</b>		<b>1,803.6024</b>	<b>1,803.6024</b>	<b>0.0478</b>	<b>0.1408</b>	<b>1,846.7653</b>

Menlo Flats - Bay Area AQMD Air District, Winter

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

**3.6 Building Construction - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8395	17.3294	13.4786	0.0221		0.7315	0.7315		0.7315	0.7315	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858
<b>Total</b>	<b>0.8395</b>	<b>17.3294</b>	<b>13.4786</b>	<b>0.0221</b>		<b>0.7315</b>	<b>0.7315</b>		<b>0.7315</b>	<b>0.7315</b>	<b>0.0000</b>	<b>2,001.7877</b>	<b>2,001.7877</b>	<b>0.3399</b>		<b>2,010.2858</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	0.0357	1.5431	0.4816	6.9000e-003	0.2303	8.8700e-003	0.2391	0.0663	8.4800e-003	0.0748		740.4251	740.4251	0.0150	0.1096	773.4558
Worker	0.4355	0.3010	3.5946	0.0104	1.2897	6.4000e-003	1.2961	0.3421	5.8900e-003	0.3480		1,063.1774	1,063.1774	0.0328	0.0313	1,073.3095
<b>Total</b>	<b>0.4713</b>	<b>1.8441</b>	<b>4.0762</b>	<b>0.0173</b>	<b>1.5200</b>	<b>0.0153</b>	<b>1.5353</b>	<b>0.4084</b>	<b>0.0144</b>	<b>0.4228</b>		<b>1,803.6024</b>	<b>1,803.6024</b>	<b>0.0478</b>	<b>0.1408</b>	<b>1,846.7653</b>

Menlo Flats - Bay Area AQMD Air District, Winter

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

**3.6 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563
<b>Total</b>	<b>1.4200</b>	<b>11.0639</b>	<b>12.5172</b>	<b>0.0221</b>		<b>0.4506</b>	<b>0.4506</b>		<b>0.4348</b>	<b>0.4348</b>		<b>2,001.9214</b>	<b>2,001.9214</b>	<b>0.3334</b>		<b>2,010.2563</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	0.0347	1.5438	0.4716	6.7900e-003	0.2303	8.9400e-003	0.2392	0.0663	8.5500e-003	0.0748		728.9014	728.9014	0.0150	0.1079	761.4153
Worker	0.4085	0.2687	3.3621	0.0101	1.2897	6.0900e-003	1.2958	0.3421	5.6100e-003	0.3477		1,036.9650	1,036.9650	0.0298	0.0291	1,046.3855
<b>Total</b>	<b>0.4431</b>	<b>1.8125</b>	<b>3.8336</b>	<b>0.0168</b>	<b>1.5200</b>	<b>0.0150</b>	<b>1.5350</b>	<b>0.4084</b>	<b>0.0142</b>	<b>0.4225</b>		<b>1,765.8665</b>	<b>1,765.8665</b>	<b>0.0447</b>	<b>0.1370</b>	<b>1,807.8007</b>

Menlo Flats - Bay Area AQMD Air District, Winter

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

**3.6 Building Construction - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8395	17.3294	13.4786	0.0221		0.7315	0.7315		0.7315	0.7315	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563
<b>Total</b>	<b>0.8395</b>	<b>17.3294</b>	<b>13.4786</b>	<b>0.0221</b>		<b>0.7315</b>	<b>0.7315</b>		<b>0.7315</b>	<b>0.7315</b>	<b>0.0000</b>	<b>2,001.9214</b>	<b>2,001.9214</b>	<b>0.3334</b>		<b>2,010.2563</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	0.0347	1.5438	0.4716	6.7900e-003	0.2303	8.9400e-003	0.2392	0.0663	8.5500e-003	0.0748		728.9014	728.9014	0.0150	0.1079	761.4153
Worker	0.4085	0.2687	3.3621	0.0101	1.2897	6.0900e-003	1.2958	0.3421	5.6100e-003	0.3477		1,036.9650	1,036.9650	0.0298	0.0291	1,046.3855
<b>Total</b>	<b>0.4431</b>	<b>1.8125</b>	<b>3.8336</b>	<b>0.0168</b>	<b>1.5200</b>	<b>0.0150</b>	<b>1.5350</b>	<b>0.4084</b>	<b>0.0142</b>	<b>0.4225</b>		<b>1,765.8665</b>	<b>1,765.8665</b>	<b>0.0447</b>	<b>0.1370</b>	<b>1,807.8007</b>

Menlo Flats - Bay Area AQMD Air District, Winter

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

**3.7 Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6180	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594		1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6180</b>	<b>5.8607</b>	<b>8.8253</b>	<b>0.0136</b>		<b>0.2810</b>	<b>0.2810</b>		<b>0.2594</b>	<b>0.2594</b>		<b>1,297.8688</b>	<b>1,297.8688</b>	<b>0.4114</b>		<b>1,308.1547</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	0.0338	0.0223	0.2784	8.3000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		85.8634	85.8634	2.4600e-003	2.4100e-003	86.6434
<b>Total</b>	<b>0.0338</b>	<b>0.0223</b>	<b>0.2784</b>	<b>8.3000e-004</b>	<b>0.1068</b>	<b>5.0000e-004</b>	<b>0.1073</b>	<b>0.0283</b>	<b>4.6000e-004</b>	<b>0.0288</b>		<b>85.8634</b>	<b>85.8634</b>	<b>2.4600e-003</b>	<b>2.4100e-003</b>	<b>86.6434</b>

Menlo Flats - Bay Area AQMD Air District, Winter

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

**3.7 Paving - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5500	11.7418	9.8512	0.0136		0.4113	0.4113		0.4113	0.4113	0.0000	1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.5500</b>	<b>11.7418</b>	<b>9.8512</b>	<b>0.0136</b>		<b>0.4113</b>	<b>0.4113</b>		<b>0.4113</b>	<b>0.4113</b>	<b>0.0000</b>	<b>1,297.8688</b>	<b>1,297.8688</b>	<b>0.4114</b>		<b>1,308.1547</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	0.0338	0.0223	0.2784	8.3000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		85.8634	85.8634	2.4600e-003	2.4100e-003	86.6434
<b>Total</b>	<b>0.0338</b>	<b>0.0223</b>	<b>0.2784</b>	<b>8.3000e-004</b>	<b>0.1068</b>	<b>5.0000e-004</b>	<b>0.1073</b>	<b>0.0283</b>	<b>4.6000e-004</b>	<b>0.0288</b>		<b>85.8634</b>	<b>85.8634</b>	<b>2.4600e-003</b>	<b>2.4100e-003</b>	<b>86.6434</b>



Menlo Flats - Bay Area AQMD Air District, Winter

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

**3.8 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.4214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>236.6021</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</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	0.0807	0.0531	0.6639	1.9800e-003	0.2547	1.2000e-003	0.2559	0.0676	1.1100e-003	0.0687		204.7511	204.7511	5.8800e-003	5.7500e-003	206.6112
<b>Total</b>	<b>0.0807</b>	<b>0.0531</b>	<b>0.6639</b>	<b>1.9800e-003</b>	<b>0.2547</b>	<b>1.2000e-003</b>	<b>0.2559</b>	<b>0.0676</b>	<b>1.1100e-003</b>	<b>0.0687</b>		<b>204.7511</b>	<b>204.7511</b>	<b>5.8800e-003</b>	<b>5.7500e-003</b>	<b>206.6112</b>

Menlo Flats - Bay Area AQMD Air District, Winter

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

**3.8 Architectural Coating - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.4214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>236.5353</b>	<b>2.3524</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</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	0.0807	0.0531	0.6639	1.9800e-003	0.2547	1.2000e-003	0.2559	0.0676	1.1100e-003	0.0687		204.7511	204.7511	5.8800e-003	5.7500e-003	206.6112
<b>Total</b>	<b>0.0807</b>	<b>0.0531</b>	<b>0.6639</b>	<b>1.9800e-003</b>	<b>0.2547</b>	<b>1.2000e-003</b>	<b>0.2559</b>	<b>0.0676</b>	<b>1.1100e-003</b>	<b>0.0687</b>		<b>204.7511</b>	<b>204.7511</b>	<b>5.8800e-003</b>	<b>5.7500e-003</b>	<b>206.6112</b>

Menlo Flats - Bay Area AQMD Air District, Winter

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

- Increase Density
- Increase Diversity
- Improve Destination Accessibility
- Increase Transit Accessibility
- Integrate Below Market Rate Housing
- Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.2693	1.3894	11.6942	0.0208	2.3058	0.0160	2.3218	0.6141	0.0149	0.6290		2,151.691 0	2,151.691 0	0.1711	0.1170	2,190.832 1
Unmitigated	1.3357	1.5178	12.7166	0.0235	2.6143	0.0178	2.6321	0.6963	0.0166	0.7129		2,427.386 5	2,427.386 5	0.1824	0.1275	2,469.936 7

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	374.46	374.46	374.46	864,856	762,803
City Park	0.00	0.00	0.00		
Strip Mall	244.95	244.95	244.95	377,231	332,718
Unenclosed Parking with Elevator	0.00	0.00	0.00		
<b>Total</b>	<b>619.41</b>	<b>619.41</b>	<b>619.41</b>	<b>1,242,087</b>	<b>1,095,520</b>

Menlo Flats - Bay Area AQMD Air District, Winter

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

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15
Unenclosed Parking with	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.553342	0.058522	0.188738	0.121080	0.023016	0.005623	0.010412	0.007562	0.000987	0.000568	0.026444	0.000834	0.002871
City Park	0.553342	0.058522	0.188738	0.121080	0.023016	0.005623	0.010412	0.007562	0.000987	0.000568	0.026444	0.000834	0.002871
Strip Mall	0.553342	0.058522	0.188738	0.121080	0.023016	0.005623	0.010412	0.007562	0.000987	0.000568	0.026444	0.000834	0.002871
Unenclosed Parking with Elevator	0.553342	0.058522	0.188738	0.121080	0.023016	0.005623	0.010412	0.007562	0.000987	0.000568	0.026444	0.000834	0.002871

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Exceed Title 24

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable Energy

Install Energy Efficient Appliances

Menlo Flats - Bay Area AQMD Air District, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Natural Gas Mitigated	0.0357	0.3056	0.1364	1.9400e-003		0.0246	0.0246		0.0246	0.0246		388.9284	388.9284	7.4500e-003	7.1300e-003	391.2396
Natural Gas Unmitigated	0.0414	0.3552	0.1588	2.2600e-003		0.0286	0.0286		0.0286	0.0286		452.0211	452.0211	8.6600e-003	8.2900e-003	454.7073

**5.2 Energy by Land Use - Natural Gas**

**Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	3654.78	0.0394	0.3368	0.1433	2.1500e-003		0.0272	0.0272		0.0272	0.0272		429.9744	429.9744	8.2400e-003	7.8800e-003	432.5295
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	187.397	2.0200e-003	0.0184	0.0154	1.1000e-004		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003		22.0467	22.0467	4.2000e-004	4.0000e-004	22.1778
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0414</b>	<b>0.3552</b>	<b>0.1588</b>	<b>2.2600e-003</b>		<b>0.0286</b>	<b>0.0286</b>		<b>0.0286</b>	<b>0.0286</b>		<b>452.0211</b>	<b>452.0211</b>	<b>8.6600e-003</b>	<b>8.2800e-003</b>	<b>454.7073</b>

Menlo Flats - Bay Area AQMD Air District, Winter

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

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
Apartments Mid Rise	3.15022	0.0340	0.2903	0.1235	1.8500e-003		0.0235	0.0235		0.0235	0.0235			370.6142	370.6142	7.1000e-003	6.7900e-003	372.8166
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.155671	1.6800e-003	0.0153	0.0128	9.0000e-005		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003			18.3143	18.3143	3.5000e-004	3.4000e-004	18.4231
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0357</b>	<b>0.3056</b>	<b>0.1364</b>	<b>1.9400e-003</b>		<b>0.0246</b>	<b>0.0246</b>		<b>0.0246</b>	<b>0.0246</b>			<b>388.9284</b>	<b>388.9284</b>	<b>7.4500e-003</b>	<b>7.1300e-003</b>	<b>391.2397</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

No Hearths Installed

Menlo Flats - Bay Area AQMD Air District, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.6995	0.1503	13.0492	6.9000e-004		0.0723	0.0723		0.0723	0.0723	0.0000	23.5132	23.5132	0.0226	0.0000	24.0789
Unmitigated	4.6995	0.1503	13.0492	6.9000e-004		0.0723	0.0723		0.0723	0.0723	0.0000	23.5132	23.5132	0.0226	0.0000	24.0789

**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	0.6477					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3936	0.1503	13.0492	6.9000e-004		0.0723	0.0723		0.0723	0.0723		23.5132	23.5132	0.0226		24.0789
<b>Total</b>	<b>4.6995</b>	<b>0.1503</b>	<b>13.0492</b>	<b>6.9000e-004</b>		<b>0.0723</b>	<b>0.0723</b>		<b>0.0723</b>	<b>0.0723</b>	<b>0.0000</b>	<b>23.5132</b>	<b>23.5132</b>	<b>0.0226</b>	<b>0.0000</b>	<b>24.0789</b>

Menlo Flats - Bay Area AQMD Air District, Winter

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6477					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3936	0.1503	13.0492	6.9000e-004		0.0723	0.0723		0.0723	0.0723		23.5132	23.5132	0.0226		24.0789
<b>Total</b>	<b>4.6995</b>	<b>0.1503</b>	<b>13.0492</b>	<b>6.9000e-004</b>		<b>0.0723</b>	<b>0.0723</b>		<b>0.0723</b>	<b>0.0723</b>	<b>0.0000</b>	<b>23.5132</b>	<b>23.5132</b>	<b>0.0226</b>	<b>0.0000</b>	<b>24.0789</b>

**7.0 Water Detail**

---

**7.1 Mitigation Measures Water**

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower

**8.0 Waste Detail**

---

**8.1 Mitigation Measures Waste**

- Institute Recycling and Composting Services



Menlo Flats - Bay Area AQMD Air District, Winter

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

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.14	50	402	0.73	Diesel

**Boilers**

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

**User Defined Equipment**

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

**10.1 Stationary Sources**

**Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (300 - 600 HP)	0.0924	0.2581	0.2355	4.4000e-004		0.0136	0.0136		0.0136	0.0136		47.2479	47.2479	6.6200e-003		47.4135
<b>Total</b>	<b>0.0924</b>	<b>0.2581</b>	<b>0.2355</b>	<b>4.4000e-004</b>		<b>0.0136</b>	<b>0.0136</b>		<b>0.0136</b>	<b>0.0136</b>		<b>47.2479</b>	<b>47.2479</b>	<b>6.6200e-003</b>		<b>47.4135</b>

**11.0 Vegetation**

Menlo Flats - Bay Area AQMD Air District, Winter

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

---

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**Menlo Flats - Mitigated  
Bay Area AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unenclosed Parking with Elevator	176.00	Space	0.00	70,400.00	0
City Park	0.48	Acre	0.48	20,908.80	0
Apartments Mid Rise	158.00	Dwelling Unit	0.90	154,730.00	452
Strip Mall	15.00	1000sqft	0.00	15,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	5			<b>Operational Year</b>	2024
<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 -

Land Use - The proposed project would include a 253,702-gross-square-foot, eight-story mixed-use building with approximately 158 dwelling units and 15,000 square feet of commercial space, and open space, circulation and parking, and infrastructure improvements.

Construction Phase - Construction is expected to begin March 2022 and end summer 2024. Phasing based on assumptions provided by Project Applicant. Architectural Coating and Paving phases are default duration.

Trips and VMT - For soil import haul trips, assuming 25 cubic yards of material per load based on information from project applicant.

Demolition - Approximately 24,311 building square footage to be demolished.

Grading - A total of 3,500 cubic yards of soils would be imported.

Vehicle Trips - Based on trip generation prepared for the project (619 net new average daily trips).

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

Woodstoves - Assuming no hearth as the proposed project would not increase the demand for natural gas as the City's REACH codes would require the buildings to be all electric.

Construction Off-road Equipment Mitigation - Assuming compliance with BAAQMD Basic Construction Mitigation Measures and tier 2 construction equipment and level 3 diesel particulate filters mitigation.

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation - The project would exceed Title 24 by 20 percent, install solar panels, and meet LEED Gold standards. Also assuming installation of high efficiency lighting and energy efficient appliances.

Water Mitigation - Assuming the installation of low-flow appliances.

Waste Mitigation - Consistent with the CalRecycle Waste Diversion and Recycling Mandate which will reduce solid waste production by 75 percent.

Stationary Sources - Emergency Generators and Fire Pumps - Assuming the emergency generator would run 50 hours per year for testing and emergency use.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	200.00	523.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	4.00	33.00
tblConstructionPhase	NumDays	4.00	33.00
tblConstructionPhase	NumDays	2.00	23.00
tblFireplaces	NumberGas	23.70	0.00
tblFireplaces	NumberNoFireplace	6.32	158.00

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

tblFireplaces	NumberWood	26.86	0.00
tblGrading	AcresOfGrading	33.00	1.38
tblGrading	AcresOfGrading	33.00	1.38
tblGrading	AcresOfGrading	21.56	1.38
tblGrading	MaterialImported	0.00	3,500.00
tblLandUse	LandUseSquareFeet	158,000.00	154,730.00
tblLandUse	LotAcreage	1.58	0.00
tblLandUse	LotAcreage	4.16	0.90
tblLandUse	LotAcreage	0.34	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	402.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.14
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	111.00	2,000.00
tblTripsAndVMT	HaulingTripNumber	438.00	280.00
tblVehicleTrips	ST_TR	4.91	2.37
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	42.04	16.33
tblVehicleTrips	SU_TR	4.09	2.37
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	20.43	16.33
tblVehicleTrips	WD_TR	5.44	2.37
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	44.32	16.33
tblWoodstoves	NumberCatalytic	3.16	0.00
tblWoodstoves	NumberNoncatalytic	3.16	0.00

**2.0 Emissions Summary**

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2535	2.2705	1.8844	4.8400e-003	0.3959	0.0928	0.4887	0.1777	0.0875	0.2652	0.0000	433.1174	433.1174	0.0634	0.0203	440.7409
2023	0.2550	1.7546	2.1535	5.1200e-003	0.1903	0.0689	0.2591	0.0513	0.0665	0.1178	0.0000	449.7266	449.7266	0.0455	0.0164	455.7439
2024	1.3057	0.8692	1.1129	2.6300e-003	0.0969	0.0320	0.1289	0.0261	0.0308	0.0569	0.0000	231.1251	231.1251	0.0242	8.0000e-003	234.1140
<b>Maximum</b>	<b>1.3057</b>	<b>2.2705</b>	<b>2.1535</b>	<b>5.1200e-003</b>	<b>0.3959</b>	<b>0.0928</b>	<b>0.4887</b>	<b>0.1777</b>	<b>0.0875</b>	<b>0.2652</b>	<b>0.0000</b>	<b>449.7266</b>	<b>449.7266</b>	<b>0.0634</b>	<b>0.0203</b>	<b>455.7439</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	0.1424	2.7329	2.0944	4.8400e-003	0.2454	0.0163	0.2616	0.0981	0.0161	0.1142	0.0000	433.1171	433.1171	0.0634	0.0203	440.7406
2023	0.1661	2.4851	2.2663	5.1200e-003	0.1903	0.0163	0.2065	0.0513	0.0161	0.0674	0.0000	449.7263	449.7263	0.0455	0.0164	455.7436
2024	1.2673	1.3115	1.1806	2.6300e-003	0.0969	8.5000e-003	0.1054	0.0261	8.4400e-003	0.0346	0.0000	231.1250	231.1250	0.0242	8.0000e-003	234.1139
<b>Maximum</b>	<b>1.2673</b>	<b>2.7329</b>	<b>2.2663</b>	<b>5.1200e-003</b>	<b>0.2454</b>	<b>0.0163</b>	<b>0.2616</b>	<b>0.0981</b>	<b>0.0161</b>	<b>0.1142</b>	<b>0.0000</b>	<b>449.7263</b>	<b>449.7263</b>	<b>0.0634</b>	<b>0.0203</b>	<b>455.7436</b>

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	13.14	-33.41	-7.58	0.00	22.04	78.83	34.58	31.19	78.00	50.86	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-15-2022	6-14-2022	0.9553	1.0332
2	6-15-2022	9-14-2022	0.8792	0.9953
3	9-15-2022	12-14-2022	0.5504	0.6809
4	12-15-2022	3-14-2023	0.5084	0.6614
5	3-15-2023	6-14-2023	0.5068	0.6690
6	6-15-2023	9-14-2023	0.5059	0.6681
7	9-15-2023	12-14-2023	0.5045	0.6649
8	12-15-2023	3-14-2024	0.4839	0.6642
9	3-15-2024	6-14-2024	0.5084	0.7201
10	6-15-2024	9-14-2024	1.0927	1.1257
		Highest	1.0927	1.1257



Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**2.2 Overall Operational**

**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	0.8213	0.0135	1.1744	6.0000e-005		6.5100e-003	6.5100e-003		6.5100e-003	6.5100e-003	0.0000	1.9198	1.9198	1.8500e-003	0.0000	1.9660
Energy	7.5600e-003	0.0648	0.0290	4.1000e-004		5.2200e-003	5.2200e-003		5.2200e-003	5.2200e-003	0.0000	158.4992	158.4992	0.0150	3.0100e-003	159.7712
Mobile	0.2431	0.2609	2.1606	4.2900e-003	0.4578	3.2400e-003	0.4610	0.1223	3.0100e-003	0.1253	0.0000	402.6272	402.6272	0.0283	0.0202	409.3605
Stationary	0.0165	0.0461	0.0421	8.0000e-005		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003	0.0000	7.6540	7.6540	1.0700e-003	0.0000	7.6809
Waste						0.0000	0.0000		0.0000	0.0000	17.9586	0.0000	17.9586	1.0613	0.0000	44.4917
Water						0.0000	0.0000		0.0000	0.0000	3.6184	8.2175	11.8359	0.3730	8.9400e-003	23.8233
<b>Total</b>	<b>1.0884</b>	<b>0.3854</b>	<b>3.4061</b>	<b>4.8400e-003</b>	<b>0.4578</b>	<b>0.0174</b>	<b>0.4752</b>	<b>0.1223</b>	<b>0.0172</b>	<b>0.1395</b>	<b>21.5770</b>	<b>578.9177</b>	<b>600.4947</b>	<b>1.4805</b>	<b>0.0322</b>	<b>647.0936</b>

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8213	0.0135	1.1744	6.0000e-005		6.5100e-003	6.5100e-003		6.5100e-003	6.5100e-003	0.0000	1.9198	1.9198	1.8500e-003	0.0000	1.9660
Energy	6.5100e-003	0.0558	0.0249	3.5000e-004		4.5000e-003	4.5000e-003		4.5000e-003	4.5000e-003	0.0000	112.0167	112.0167	8.9400e-003	2.1100e-003	112.8703
Mobile	0.2313	0.2387	1.9803	3.8000e-003	0.4038	2.9100e-003	0.4067	0.1079	2.7100e-003	0.1106	0.0000	356.8633	356.8633	0.0265	0.0186	363.0517
Stationary	0.0165	0.0461	0.0421	8.0000e-005		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003	0.0000	7.6540	7.6540	1.0700e-003	0.0000	7.6809
Waste						0.0000	0.0000		0.0000	0.0000	4.4897	0.0000	4.4897	0.2653	0.0000	11.1229
Water						0.0000	0.0000		0.0000	0.0000	2.8947	7.0754	9.9702	0.2985	7.1600e-003	19.5651
<b>Total</b>	<b>1.0756</b>	<b>0.3541</b>	<b>3.2217</b>	<b>4.2900e-003</b>	<b>0.4038</b>	<b>0.0164</b>	<b>0.4201</b>	<b>0.1079</b>	<b>0.0162</b>	<b>0.1240</b>	<b>7.3844</b>	<b>485.5292</b>	<b>492.9136</b>	<b>0.6021</b>	<b>0.0278</b>	<b>516.2568</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>1.17</b>	<b>8.10</b>	<b>5.41</b>	<b>11.36</b>	<b>11.80</b>	<b>6.03</b>	<b>11.59</b>	<b>11.81</b>	<b>5.94</b>	<b>11.08</b>	<b>65.78</b>	<b>16.13</b>	<b>17.92</b>	<b>59.33</b>	<b>13.52</b>	<b>20.22</b>

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/15/2022	5/13/2022	5	44	
2	Rough Grading	Grading	5/15/2022	6/29/2022	5	33	

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

3	Site Preparation	Site Preparation	5/16/2022	6/15/2022	5	23
4	Fine Grading	Grading	6/15/2022	7/29/2022	5	33
5	Building Construction	Building Construction	6/29/2022	6/28/2024	5	523
6	Paving	Paving	6/3/2024	6/14/2024	5	10
7	Architectural Coating	Architectural Coating	6/17/2024	6/28/2024	5	10

**Acres of Grading (Site Preparation Phase): 1.38**

**Acres of Grading (Grading Phase): 1.38**

**Acres of Paving: 0**

**Residential Indoor: 313,328; Residential Outdoor: 104,443; Non-Residential Indoor: 22,500; Non-Residential Outdoor: 7,500; Striped Parking Area: 4,224 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Rough Grading	Graders	1	8.00	187	0.41
Rough Grading	Rubber Tired Dozers	1	8.00	247	0.40
Rough Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Fine Grading	Graders	1	8.00	187	0.41
Fine Grading	Rubber Tired Dozers	1	8.00	247	0.40
Fine Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	2,000.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grading	4	10.00	0.00	280.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	157.00	34.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	31.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**3.2 Demolition - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0120	0.0000	0.0120	1.8100e-003	0.0000	1.8100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0372	0.3657	0.3071	5.3000e-004		0.0184	0.0184		0.0172	0.0172	0.0000	46.3709	46.3709	0.0118	0.0000	46.6663
<b>Total</b>	<b>0.0372</b>	<b>0.3657</b>	<b>0.3071</b>	<b>5.3000e-004</b>	<b>0.0120</b>	<b>0.0184</b>	<b>0.0304</b>	<b>1.8100e-003</b>	<b>0.0172</b>	<b>0.0190</b>	<b>0.0000</b>	<b>46.3709</b>	<b>46.3709</b>	<b>0.0118</b>	<b>0.0000</b>	<b>46.6663</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	4.6600e-003	0.1722	0.0366	6.3000e-004	0.0169	1.5400e-003	0.0185	4.6500e-003	1.4800e-003	6.1300e-003	0.0000	62.6843	62.6843	2.0700e-003	9.9300e-003	65.6946
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.9000e-004	5.7000e-004	6.8400e-003	2.0000e-005	2.2600e-003	1.0000e-005	2.2700e-003	6.0000e-004	1.0000e-005	6.1000e-004	0.0000	1.8176	1.8176	6.0000e-005	5.0000e-005	1.8346
<b>Total</b>	<b>5.4500e-003</b>	<b>0.1727</b>	<b>0.0435</b>	<b>6.5000e-004</b>	<b>0.0192</b>	<b>1.5500e-003</b>	<b>0.0207</b>	<b>5.2500e-003</b>	<b>1.4900e-003</b>	<b>6.7400e-003</b>	<b>0.0000</b>	<b>64.5019</b>	<b>64.5019</b>	<b>2.1300e-003</b>	<b>9.9800e-003</b>	<b>67.5292</b>

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**3.2 Demolition - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3800e-003	0.0000	5.3800e-003	8.2000e-004	0.0000	8.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0195	0.4665	0.3391	5.3000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003	0.0000	46.3709	46.3709	0.0118	0.0000	46.6663
<b>Total</b>	<b>0.0195</b>	<b>0.4665</b>	<b>0.3391</b>	<b>5.3000e-004</b>	<b>5.3800e-003</b>	<b>2.3700e-003</b>	<b>7.7500e-003</b>	<b>8.2000e-004</b>	<b>2.3700e-003</b>	<b>3.1900e-003</b>	<b>0.0000</b>	<b>46.3709</b>	<b>46.3709</b>	<b>0.0118</b>	<b>0.0000</b>	<b>46.6663</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	4.6600e-003	0.1722	0.0366	6.3000e-004	0.0169	1.5400e-003	0.0185	4.6500e-003	1.4800e-003	6.1300e-003	0.0000	62.6843	62.6843	2.0700e-003	9.9300e-003	65.6946
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.9000e-004	5.7000e-004	6.8400e-003	2.0000e-005	2.2600e-003	1.0000e-005	2.2700e-003	6.0000e-004	1.0000e-005	6.1000e-004	0.0000	1.8176	1.8176	6.0000e-005	5.0000e-005	1.8346
<b>Total</b>	<b>5.4500e-003</b>	<b>0.1727</b>	<b>0.0435</b>	<b>6.5000e-004</b>	<b>0.0192</b>	<b>1.5500e-003</b>	<b>0.0207</b>	<b>5.2500e-003</b>	<b>1.4900e-003</b>	<b>6.7400e-003</b>	<b>0.0000</b>	<b>64.5019</b>	<b>64.5019</b>	<b>2.1300e-003</b>	<b>9.9800e-003</b>	<b>67.5292</b>

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**3.3 Rough 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					0.1003	0.0000	0.1003	0.0547	0.0000	0.0547	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0254	0.2802	0.1521	3.4000e-004		0.0123	0.0123		0.0113	0.0113	0.0000	29.8695	29.8695	9.6600e-003	0.0000	30.1110
<b>Total</b>	<b>0.0254</b>	<b>0.2802</b>	<b>0.1521</b>	<b>3.4000e-004</b>	<b>0.1003</b>	<b>0.0123</b>	<b>0.1125</b>	<b>0.0547</b>	<b>0.0113</b>	<b>0.0660</b>	<b>0.0000</b>	<b>29.8695</b>	<b>29.8695</b>	<b>9.6600e-003</b>	<b>0.0000</b>	<b>30.1110</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	6.5000e-004	0.0241	5.1300e-003	9.0000e-005	2.3700e-003	2.2000e-004	2.5800e-003	6.5000e-004	2.1000e-004	8.6000e-004	0.0000	8.7758	8.7758	2.9000e-004	1.3900e-003	9.1973
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.3000e-004	3.9500e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	1.0486	1.0486	3.0000e-005	3.0000e-005	1.0584
<b>Total</b>	<b>1.1000e-003</b>	<b>0.0244</b>	<b>9.0800e-003</b>	<b>1.0000e-004</b>	<b>3.6700e-003</b>	<b>2.3000e-004</b>	<b>3.8900e-003</b>	<b>1.0000e-003</b>	<b>2.2000e-004</b>	<b>1.2100e-003</b>	<b>0.0000</b>	<b>9.8244</b>	<b>9.8244</b>	<b>3.2000e-004</b>	<b>1.4200e-003</b>	<b>10.2557</b>

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**3.3 Rough Grading - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0451	0.0000	0.0451	0.0246	0.0000	0.0246	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.2987	0.2004	3.4000e-004		1.2000e-003	1.2000e-003		1.2000e-003	1.2000e-003	0.0000	29.8694	29.8694	9.6600e-003	0.0000	30.1110
<b>Total</b>	<b>0.0103</b>	<b>0.2987</b>	<b>0.2004</b>	<b>3.4000e-004</b>	<b>0.0451</b>	<b>1.2000e-003</b>	<b>0.0463</b>	<b>0.0246</b>	<b>1.2000e-003</b>	<b>0.0258</b>	<b>0.0000</b>	<b>29.8694</b>	<b>29.8694</b>	<b>9.6600e-003</b>	<b>0.0000</b>	<b>30.1110</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	6.5000e-004	0.0241	5.1300e-003	9.0000e-005	2.3700e-003	2.2000e-004	2.5800e-003	6.5000e-004	2.1000e-004	8.6000e-004	0.0000	8.7758	8.7758	2.9000e-004	1.3900e-003	9.1973
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.3000e-004	3.9500e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	1.0486	1.0486	3.0000e-005	3.0000e-005	1.0584
<b>Total</b>	<b>1.1000e-003</b>	<b>0.0244</b>	<b>9.0800e-003</b>	<b>1.0000e-004</b>	<b>3.6700e-003</b>	<b>2.3000e-004</b>	<b>3.8900e-003</b>	<b>1.0000e-003</b>	<b>2.2000e-004</b>	<b>1.2100e-003</b>	<b>0.0000</b>	<b>9.8244</b>	<b>9.8244</b>	<b>3.2000e-004</b>	<b>1.4200e-003</b>	<b>10.2557</b>



Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**3.4 Site Preparation - 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					0.0613	0.0000	0.0613	0.0334	0.0000	0.0334	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0151	0.1682	0.0816	2.0000e-004		7.1600e-003	7.1600e-003		6.5900e-003	6.5900e-003	0.0000	17.3826	17.3826	5.6200e-003	0.0000	17.5231
<b>Total</b>	<b>0.0151</b>	<b>0.1682</b>	<b>0.0816</b>	<b>2.0000e-004</b>	<b>0.0613</b>	<b>7.1600e-003</b>	<b>0.0685</b>	<b>0.0334</b>	<b>6.5900e-003</b>	<b>0.0400</b>	<b>0.0000</b>	<b>17.3826</b>	<b>17.3826</b>	<b>5.6200e-003</b>	<b>0.0000</b>	<b>17.5231</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	2.5000e-004	1.8000e-004	2.2000e-003	1.0000e-005	7.3000e-004	0.0000	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.5847	0.5847	2.0000e-005	2.0000e-005	0.5902
<b>Total</b>	<b>2.5000e-004</b>	<b>1.8000e-004</b>	<b>2.2000e-003</b>	<b>1.0000e-005</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>7.3000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.5847</b>	<b>0.5847</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.5902</b>

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**3.4 Site Preparation - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0276	0.0000	0.0276	0.0150	0.0000	0.0150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.6400e-003	0.1719	0.1130	2.0000e-004		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	17.3826	17.3826	5.6200e-003	0.0000	17.5231
<b>Total</b>	<b>5.6400e-003</b>	<b>0.1719</b>	<b>0.1130</b>	<b>2.0000e-004</b>	<b>0.0276</b>	<b>6.5000e-004</b>	<b>0.0283</b>	<b>0.0150</b>	<b>6.5000e-004</b>	<b>0.0157</b>	<b>0.0000</b>	<b>17.3826</b>	<b>17.3826</b>	<b>5.6200e-003</b>	<b>0.0000</b>	<b>17.5231</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	2.5000e-004	1.8000e-004	2.2000e-003	1.0000e-005	7.3000e-004	0.0000	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.5847	0.5847	2.0000e-005	2.0000e-005	0.5902
<b>Total</b>	<b>2.5000e-004</b>	<b>1.8000e-004</b>	<b>2.2000e-003</b>	<b>1.0000e-005</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>7.3000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.5847</b>	<b>0.5847</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.5902</b>

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**3.5 Fine 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					0.1001	0.0000	0.1001	0.0547	0.0000	0.0547	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0254	0.2802	0.1521	3.4000e-004		0.0123	0.0123		0.0113	0.0113	0.0000	29.8695	29.8695	9.6600e-003	0.0000	30.1110
<b>Total</b>	<b>0.0254</b>	<b>0.2802</b>	<b>0.1521</b>	<b>3.4000e-004</b>	<b>0.1001</b>	<b>0.0123</b>	<b>0.1124</b>	<b>0.0547</b>	<b>0.0113</b>	<b>0.0660</b>	<b>0.0000</b>	<b>29.8695</b>	<b>29.8695</b>	<b>9.6600e-003</b>	<b>0.0000</b>	<b>30.1110</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	4.5000e-004	3.3000e-004	3.9500e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	1.0486	1.0486	3.0000e-005	3.0000e-005	1.0584
<b>Total</b>	<b>4.5000e-004</b>	<b>3.3000e-004</b>	<b>3.9500e-003</b>	<b>1.0000e-005</b>	<b>1.3000e-003</b>	<b>1.0000e-005</b>	<b>1.3100e-003</b>	<b>3.5000e-004</b>	<b>1.0000e-005</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>1.0486</b>	<b>1.0486</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0584</b>

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**3.5 Fine Grading - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0450	0.0000	0.0450	0.0246	0.0000	0.0246	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.2987	0.2004	3.4000e-004		1.2000e-003	1.2000e-003		1.2000e-003	1.2000e-003	0.0000	29.8694	29.8694	9.6600e-003	0.0000	30.1110
<b>Total</b>	<b>0.0103</b>	<b>0.2987</b>	<b>0.2004</b>	<b>3.4000e-004</b>	<b>0.0450</b>	<b>1.2000e-003</b>	<b>0.0462</b>	<b>0.0246</b>	<b>1.2000e-003</b>	<b>0.0258</b>	<b>0.0000</b>	<b>29.8694</b>	<b>29.8694</b>	<b>9.6600e-003</b>	<b>0.0000</b>	<b>30.1110</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	4.5000e-004	3.3000e-004	3.9500e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	1.0486	1.0486	3.0000e-005	3.0000e-005	1.0584
<b>Total</b>	<b>4.5000e-004</b>	<b>3.3000e-004</b>	<b>3.9500e-003</b>	<b>1.0000e-005</b>	<b>1.3000e-003</b>	<b>1.0000e-005</b>	<b>1.3100e-003</b>	<b>3.5000e-004</b>	<b>1.0000e-005</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>1.0486</b>	<b>1.0486</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0584</b>

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**3.6 Building Construction - 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	0.1096	0.8315	0.8463	1.4700e-003		0.0392	0.0392		0.0378	0.0378	0.0000	120.7487	120.7487	0.0210	0.0000	121.2744
<b>Total</b>	<b>0.1096</b>	<b>0.8315</b>	<b>0.8463</b>	<b>1.4700e-003</b>		<b>0.0392</b>	<b>0.0392</b>		<b>0.0378</b>	<b>0.0378</b>	<b>0.0000</b>	<b>120.7487</b>	<b>120.7487</b>	<b>0.0210</b>	<b>0.0000</b>	<b>121.2744</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	4.8400e-003	0.1263	0.0368	4.8000e-004	0.0148	1.3000e-003	0.0161	4.2900e-003	1.2400e-003	5.5300e-003	0.0000	46.5659	46.5659	1.0100e-003	6.9000e-003	48.6488
Worker	0.0287	0.0207	0.2497	7.2000e-004	0.0825	4.5000e-004	0.0830	0.0220	4.1000e-004	0.0224	0.0000	66.3509	66.3509	2.0600e-003	1.9100e-003	66.9728
<b>Total</b>	<b>0.0335</b>	<b>0.1470</b>	<b>0.2865</b>	<b>1.2000e-003</b>	<b>0.0973</b>	<b>1.7500e-003</b>	<b>0.0991</b>	<b>0.0262</b>	<b>1.6500e-003</b>	<b>0.0279</b>	<b>0.0000</b>	<b>112.9168</b>	<b>112.9168</b>	<b>3.0700e-003</b>	<b>8.8100e-003</b>	<b>115.6216</b>

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**3.6 Building Construction - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0558	1.1524	0.8963	1.4700e-003		7.3000e-003	7.3000e-003		7.3000e-003	7.3000e-003	0.0000	120.7485	120.7485	0.0210	0.0000	121.2743
<b>Total</b>	<b>0.0558</b>	<b>1.1524</b>	<b>0.8963</b>	<b>1.4700e-003</b>		<b>7.3000e-003</b>	<b>7.3000e-003</b>		<b>7.3000e-003</b>	<b>7.3000e-003</b>	<b>0.0000</b>	<b>120.7485</b>	<b>120.7485</b>	<b>0.0210</b>	<b>0.0000</b>	<b>121.2743</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	4.8400e-003	0.1263	0.0368	4.8000e-004	0.0148	1.3000e-003	0.0161	4.2900e-003	1.2400e-003	5.5300e-003	0.0000	46.5659	46.5659	1.0100e-003	6.9000e-003	48.6488
Worker	0.0287	0.0207	0.2497	7.2000e-004	0.0825	4.5000e-004	0.0830	0.0220	4.1000e-004	0.0224	0.0000	66.3509	66.3509	2.0600e-003	1.9100e-003	66.9728
<b>Total</b>	<b>0.0335</b>	<b>0.1470</b>	<b>0.2865</b>	<b>1.2000e-003</b>	<b>0.0973</b>	<b>1.7500e-003</b>	<b>0.0991</b>	<b>0.0262</b>	<b>1.6500e-003</b>	<b>0.0279</b>	<b>0.0000</b>	<b>112.9168</b>	<b>112.9168</b>	<b>3.0700e-003</b>	<b>8.8100e-003</b>	<b>115.6216</b>

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**3.6 Building Construction - 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	0.1980	1.5224	1.6394	2.8700e-003		0.0669	0.0669		0.0646	0.0646	0.0000	236.0789	236.0789	0.0401	0.0000	237.0811
<b>Total</b>	<b>0.1980</b>	<b>1.5224</b>	<b>1.6394</b>	<b>2.8700e-003</b>		<b>0.0669</b>	<b>0.0669</b>		<b>0.0646</b>	<b>0.0646</b>	<b>0.0000</b>	<b>236.0789</b>	<b>236.0789</b>	<b>0.0401</b>	<b>0.0000</b>	<b>237.0811</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	4.7100e-003	0.1965	0.0615	9.0000e-004	0.0290	1.1500e-003	0.0302	8.3900e-003	1.1000e-003	9.4900e-003	0.0000	87.2488	87.2488	1.7800e-003	0.0129	91.1395
Worker	0.0522	0.0358	0.4526	1.3600e-003	0.1613	8.3000e-004	0.1621	0.0429	7.7000e-004	0.0437	0.0000	126.3989	126.3989	3.6400e-003	3.4700e-003	127.5233
<b>Total</b>	<b>0.0569</b>	<b>0.2323</b>	<b>0.5141</b>	<b>2.2600e-003</b>	<b>0.1903</b>	<b>1.9800e-003</b>	<b>0.1923</b>	<b>0.0513</b>	<b>1.8700e-003</b>	<b>0.0532</b>	<b>0.0000</b>	<b>213.6477</b>	<b>213.6477</b>	<b>5.4200e-003</b>	<b>0.0164</b>	<b>218.6628</b>

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**3.6 Building Construction - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1091	2.2528	1.7522	2.8700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	236.0786	236.0786	0.0401	0.0000	237.0808
<b>Total</b>	<b>0.1091</b>	<b>2.2528</b>	<b>1.7522</b>	<b>2.8700e-003</b>		<b>0.0143</b>	<b>0.0143</b>		<b>0.0143</b>	<b>0.0143</b>	<b>0.0000</b>	<b>236.0786</b>	<b>236.0786</b>	<b>0.0401</b>	<b>0.0000</b>	<b>237.0808</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	4.7100e-003	0.1965	0.0615	9.0000e-004	0.0290	1.1500e-003	0.0302	8.3900e-003	1.1000e-003	9.4900e-003	0.0000	87.2488	87.2488	1.7800e-003	0.0129	91.1395
Worker	0.0522	0.0358	0.4526	1.3600e-003	0.1613	8.3000e-004	0.1621	0.0429	7.7000e-004	0.0437	0.0000	126.3989	126.3989	3.6400e-003	3.4700e-003	127.5233
<b>Total</b>	<b>0.0569</b>	<b>0.2323</b>	<b>0.5141</b>	<b>2.2600e-003</b>	<b>0.1903</b>	<b>1.9800e-003</b>	<b>0.1923</b>	<b>0.0513</b>	<b>1.8700e-003</b>	<b>0.0532</b>	<b>0.0000</b>	<b>213.6477</b>	<b>213.6477</b>	<b>5.4200e-003</b>	<b>0.0164</b>	<b>218.6628</b>



Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**3.6 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0923	0.7192	0.8136	1.4300e-003		0.0293	0.0293		0.0283	0.0283	0.0000	118.0473	118.0473	0.0197	0.0000	118.5388
<b>Total</b>	<b>0.0923</b>	<b>0.7192</b>	<b>0.8136</b>	<b>1.4300e-003</b>		<b>0.0293</b>	<b>0.0293</b>		<b>0.0283</b>	<b>0.0283</b>	<b>0.0000</b>	<b>118.0473</b>	<b>118.0473</b>	<b>0.0197</b>	<b>0.0000</b>	<b>118.5388</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	2.2900e-003	0.0983	0.0301	4.4000e-004	0.0145	5.8000e-004	0.0151	4.1900e-003	5.5000e-004	4.7500e-003	0.0000	42.9446	42.9446	8.8000e-004	6.3500e-003	44.8596
Worker	0.0244	0.0160	0.2114	6.6000e-004	0.0806	4.0000e-004	0.0810	0.0215	3.6000e-004	0.0218	0.0000	61.6407	61.6407	1.6500e-003	1.6200e-003	62.1634
<b>Total</b>	<b>0.0267</b>	<b>0.1143</b>	<b>0.2415</b>	<b>1.1000e-003</b>	<b>0.0951</b>	<b>9.8000e-004</b>	<b>0.0961</b>	<b>0.0256</b>	<b>9.1000e-004</b>	<b>0.0266</b>	<b>0.0000</b>	<b>104.5853</b>	<b>104.5853</b>	<b>2.5300e-003</b>	<b>7.9700e-003</b>	<b>107.0230</b>

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**3.6 Building Construction - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0546	1.1264	0.8761	1.4300e-003		7.1300e-003	7.1300e-003		7.1300e-003	7.1300e-003	0.0000	118.0472	118.0472	0.0197	0.0000	118.5387
<b>Total</b>	<b>0.0546</b>	<b>1.1264</b>	<b>0.8761</b>	<b>1.4300e-003</b>		<b>7.1300e-003</b>	<b>7.1300e-003</b>		<b>7.1300e-003</b>	<b>7.1300e-003</b>	<b>0.0000</b>	<b>118.0472</b>	<b>118.0472</b>	<b>0.0197</b>	<b>0.0000</b>	<b>118.5387</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	2.2900e-003	0.0983	0.0301	4.4000e-004	0.0145	5.8000e-004	0.0151	4.1900e-003	5.5000e-004	4.7500e-003	0.0000	42.9446	42.9446	8.8000e-004	6.3500e-003	44.8596
Worker	0.0244	0.0160	0.2114	6.6000e-004	0.0806	4.0000e-004	0.0810	0.0215	3.6000e-004	0.0218	0.0000	61.6407	61.6407	1.6500e-003	1.6200e-003	62.1634
<b>Total</b>	<b>0.0267</b>	<b>0.1143</b>	<b>0.2415</b>	<b>1.1000e-003</b>	<b>0.0951</b>	<b>9.8000e-004</b>	<b>0.0961</b>	<b>0.0256</b>	<b>9.1000e-004</b>	<b>0.0266</b>	<b>0.0000</b>	<b>104.5853</b>	<b>104.5853</b>	<b>2.5300e-003</b>	<b>7.9700e-003</b>	<b>107.0230</b>

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**3.7 Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.0900e-003	0.0293	0.0441	7.0000e-005		1.4100e-003	1.4100e-003		1.3000e-003	1.3000e-003	0.0000	5.8870	5.8870	1.8700e-003	0.0000	5.9337
Paving	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>3.0900e-003</b>	<b>0.0293</b>	<b>0.0441</b>	<b>7.0000e-005</b>		<b>1.4100e-003</b>	<b>1.4100e-003</b>		<b>1.3000e-003</b>	<b>1.3000e-003</b>	<b>0.0000</b>	<b>5.8870</b>	<b>5.8870</b>	<b>1.8700e-003</b>	<b>0.0000</b>	<b>5.9337</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	1.0000e-004	1.3500e-003	0.0000	5.1000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3926	0.3926	1.0000e-005	1.0000e-005	0.3960
<b>Total</b>	<b>1.6000e-004</b>	<b>1.0000e-004</b>	<b>1.3500e-003</b>	<b>0.0000</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>5.2000e-004</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.3926</b>	<b>0.3926</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.3960</b>

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**3.7 Paving - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.7500e-003	0.0587	0.0493	7.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	5.8870	5.8870	1.8700e-003	0.0000	5.9337
Paving	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>2.7500e-003</b>	<b>0.0587</b>	<b>0.0493</b>	<b>7.0000e-005</b>		<b>3.1000e-004</b>	<b>3.1000e-004</b>		<b>3.1000e-004</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>5.8870</b>	<b>5.8870</b>	<b>1.8700e-003</b>	<b>0.0000</b>	<b>5.9337</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	1.0000e-004	1.3500e-003	0.0000	5.1000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3926	0.3926	1.0000e-005	1.0000e-005	0.3960
<b>Total</b>	<b>1.6000e-004</b>	<b>1.0000e-004</b>	<b>1.3500e-003</b>	<b>0.0000</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>5.2000e-004</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.3926</b>	<b>0.3926</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.3960</b>

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**3.8 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1821					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0000e-004	6.0900e-003	9.0500e-003	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2784
<b>Total</b>	<b>1.1830</b>	<b>6.0900e-003</b>	<b>9.0500e-003</b>	<b>1.0000e-005</b>		<b>3.0000e-004</b>	<b>3.0000e-004</b>		<b>3.0000e-004</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>1.2766</b>	<b>1.2766</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.2784</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	3.7000e-004	2.4000e-004	3.2100e-003	1.0000e-005	1.2200e-003	1.0000e-005	1.2300e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9362	0.9362	3.0000e-005	2.0000e-005	0.9442
<b>Total</b>	<b>3.7000e-004</b>	<b>2.4000e-004</b>	<b>3.2100e-003</b>	<b>1.0000e-005</b>	<b>1.2200e-003</b>	<b>1.0000e-005</b>	<b>1.2300e-003</b>	<b>3.3000e-004</b>	<b>1.0000e-005</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>0.9362</b>	<b>0.9362</b>	<b>3.0000e-005</b>	<b>2.0000e-005</b>	<b>0.9442</b>

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**3.8 Architectural Coating - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1821					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.7000e-004	0.0118	9.1600e-003	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2784
<b>Total</b>	<b>1.1827</b>	<b>0.0118</b>	<b>9.1600e-003</b>	<b>1.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.2766</b>	<b>1.2766</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.2784</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	3.7000e-004	2.4000e-004	3.2100e-003	1.0000e-005	1.2200e-003	1.0000e-005	1.2300e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9362	0.9362	3.0000e-005	2.0000e-005	0.9442
<b>Total</b>	<b>3.7000e-004</b>	<b>2.4000e-004</b>	<b>3.2100e-003</b>	<b>1.0000e-005</b>	<b>1.2200e-003</b>	<b>1.0000e-005</b>	<b>1.2300e-003</b>	<b>3.3000e-004</b>	<b>1.0000e-005</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>0.9362</b>	<b>0.9362</b>	<b>3.0000e-005</b>	<b>2.0000e-005</b>	<b>0.9442</b>

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

- Increase Density
- Increase Diversity
- Improve Destination Accessibility
- Increase Transit Accessibility
- Integrate Below Market Rate Housing
- Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2313	0.2387	1.9803	3.8000e-003	0.4038	2.9100e-003	0.4067	0.1079	2.7100e-003	0.1106	0.0000	356.8633	356.8633	0.0265	0.0186	363.0517
Unmitigated	0.2431	0.2609	2.1606	4.2900e-003	0.4578	3.2400e-003	0.4610	0.1223	3.0100e-003	0.1253	0.0000	402.6272	402.6272	0.0283	0.0202	409.3605

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	374.46	374.46	374.46	864,856	762,803
City Park	0.00	0.00	0.00		
Strip Mall	244.95	244.95	244.95	377,231	332,718
Unenclosed Parking with Elevator	0.00	0.00	0.00		
<b>Total</b>	<b>619.41</b>	<b>619.41</b>	<b>619.41</b>	<b>1,242,087</b>	<b>1,095,520</b>

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15
Unenclosed Parking with	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.553342	0.058522	0.188738	0.121080	0.023016	0.005623	0.010412	0.007562	0.000987	0.000568	0.026444	0.000834	0.002871
City Park	0.553342	0.058522	0.188738	0.121080	0.023016	0.005623	0.010412	0.007562	0.000987	0.000568	0.026444	0.000834	0.002871
Strip Mall	0.553342	0.058522	0.188738	0.121080	0.023016	0.005623	0.010412	0.007562	0.000987	0.000568	0.026444	0.000834	0.002871
Unenclosed Parking with Elevator	0.553342	0.058522	0.188738	0.121080	0.023016	0.005623	0.010412	0.007562	0.000987	0.000568	0.026444	0.000834	0.002871

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Exceed Title 24

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable Energy

Install Energy Efficient Appliances



Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	47.6252	47.6252	7.7000e-003	9.3000e-004	48.0961
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	83.6621	83.6621	0.0135	1.6400e-003	84.4893
Natural Gas Mitigated	6.5100e-003	0.0558	0.0249	3.5000e-004		4.5000e-003	4.5000e-003		4.5000e-003	4.5000e-003	0.0000	64.3915	64.3915	1.2300e-003	1.1800e-003	64.7741
Natural Gas Unmitigated	7.5600e-003	0.0648	0.0290	4.1000e-004		5.2200e-003	5.2200e-003		5.2200e-003	5.2200e-003	0.0000	74.8372	74.8372	1.4300e-003	1.3700e-003	75.2819

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**5.2 Energy by Land Use - NaturalGas**

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.334e+006	7.1900e-003	0.0615	0.0262	3.9000e-004		4.9700e-003	4.9700e-003		4.9700e-003	4.9700e-003	0.0000	71.1871	71.1871	1.3600e-003	1.3100e-003	71.6101
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	68400	3.7000e-004	3.3500e-003	2.8200e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	3.6501	3.6501	7.0000e-005	7.0000e-005	3.6718
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>7.5600e-003</b>	<b>0.0648</b>	<b>0.0290</b>	<b>4.1000e-004</b>		<b>5.2200e-003</b>	<b>5.2200e-003</b>		<b>5.2200e-003</b>	<b>5.2200e-003</b>	<b>0.0000</b>	<b>74.8372</b>	<b>74.8372</b>	<b>1.4300e-003</b>	<b>1.3800e-003</b>	<b>75.2819</b>

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.14983e+006	6.2000e-003	0.0530	0.0226	3.4000e-004		4.2800e-003	4.2800e-003		4.2800e-003	4.2800e-003	0.0000	61.3593	61.3593	1.1800e-003	1.1200e-003	61.7240
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	56820	3.1000e-004	2.7900e-003	2.3400e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	3.0321	3.0321	6.0000e-005	6.0000e-005	3.0502
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>6.5100e-003</b>	<b>0.0558</b>	<b>0.0249</b>	<b>3.6000e-004</b>		<b>4.4900e-003</b>	<b>4.4900e-003</b>		<b>4.4900e-003</b>	<b>4.4900e-003</b>	<b>0.0000</b>	<b>64.3915</b>	<b>64.3915</b>	<b>1.2400e-003</b>	<b>1.1800e-003</b>	<b>64.7741</b>

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	614046	56.8139	9.1900e-003	1.1100e-003	57.3757
City Park	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	153600	14.2117	2.3000e-003	2.8000e-004	14.3522
Unenclosed Parking with Elevator	136576	12.6365	2.0400e-003	2.5000e-004	12.7615
<b>Total</b>		<b>83.6621</b>	<b>0.0135</b>	<b>1.6400e-003</b>	<b>84.4893</b>

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**5.3 Energy by Land Use - Electricity**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	405234	37.4938	6.0700e-003	7.4000e-004	37.8645
City Park	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	74160	6.8616	1.1100e-003	1.3000e-004	6.9294
Unenclosed Parking with Elevator	35340.8	3.2699	5.3000e-004	6.0000e-005	3.3022
<b>Total</b>		<b>47.6252</b>	<b>7.7100e-003</b>	<b>9.3000e-004</b>	<b>48.0961</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

No Hearths Installed

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8213	0.0135	1.1744	6.0000e-005		6.5100e-003	6.5100e-003		6.5100e-003	6.5100e-003	0.0000	1.9198	1.9198	1.8500e-003	0.0000	1.9660
Unmitigated	0.8213	0.0135	1.1744	6.0000e-005		6.5100e-003	6.5100e-003		6.5100e-003	6.5100e-003	0.0000	1.9198	1.9198	1.8500e-003	0.0000	1.9660

**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	0.1182					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6676					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0354	0.0135	1.1744	6.0000e-005		6.5100e-003	6.5100e-003		6.5100e-003	6.5100e-003	0.0000	1.9198	1.9198	1.8500e-003	0.0000	1.9660
<b>Total</b>	<b>0.8213</b>	<b>0.0135</b>	<b>1.1744</b>	<b>6.0000e-005</b>		<b>6.5100e-003</b>	<b>6.5100e-003</b>		<b>6.5100e-003</b>	<b>6.5100e-003</b>	<b>0.0000</b>	<b>1.9198</b>	<b>1.9198</b>	<b>1.8500e-003</b>	<b>0.0000</b>	<b>1.9660</b>

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1182					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6676					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0354	0.0135	1.1744	6.0000e-005		6.5100e-003	6.5100e-003		6.5100e-003	6.5100e-003	0.0000	1.9198	1.9198	1.8500e-003	0.0000	1.9660
<b>Total</b>	<b>0.8213</b>	<b>0.0135</b>	<b>1.1744</b>	<b>6.0000e-005</b>		<b>6.5100e-003</b>	<b>6.5100e-003</b>		<b>6.5100e-003</b>	<b>6.5100e-003</b>	<b>0.0000</b>	<b>1.9198</b>	<b>1.9198</b>	<b>1.8500e-003</b>	<b>0.0000</b>	<b>1.9660</b>

**7.0 Water Detail**

---

**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	9.9702	0.2985	7.1600e-003	19.5651
Unmitigated	11.8359	0.3730	8.9400e-003	23.8233

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	10.2943 / 6.48991	10.5214	0.3366	8.0600e-003	21.3395
City Park	0 / 0.571911	0.1852	3.0000e-005	0.0000	0.1870
Strip Mall	1.11109 / 0.680989	1.1293	0.0363	8.7000e-004	2.2968
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>11.8359</b>	<b>0.3730</b>	<b>8.9300e-003</b>	<b>23.8233</b>



Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	8.23547 / 6.48991	8.8374	0.2694	6.4600e-003	17.4961
City Park	0 / 0.571911	0.1852	3.0000e-005	0.0000	0.1870
Strip Mall	0.88887 / 0.680989	0.9475	0.0291	7.0000e-004	1.8820
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>9.9702</b>	<b>0.2985</b>	<b>7.1600e-003</b>	<b>19.5651</b>

**8.0 Waste Detail**

---

**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4.4897	0.2653	0.0000	11.1229
Unmitigated	17.9586	1.0613	0.0000	44.4917

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	72.68	14.7534	0.8719	0.0000	36.5509
City Park	0.04	8.1200e-003	4.8000e-004	0.0000	0.0201
Strip Mall	15.75	3.1971	0.1889	0.0000	7.9207
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>17.9586</b>	<b>1.0613</b>	<b>0.0000</b>	<b>44.4917</b>

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**8.2 Waste by Land Use**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	18.17	3.6884	0.2180	0.0000	9.1377
City Park	0.01	2.0300e-003	1.2000e-004	0.0000	5.0300e-003
Strip Mall	3.9375	0.7993	0.0472	0.0000	1.9802
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>4.4897</b>	<b>0.2653</b>	<b>0.0000</b>	<b>11.1229</b>

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.14	50	402	0.73	Diesel

**Boilers**

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

Menlo Flats - Mitigated - Bay Area AQMD Air District, Annual

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

**User Defined Equipment**

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

**10.1 Stationary Sources**

**Unmitigated/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
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (300 - 600 HP)	0.0165	0.0461	0.0421	8.0000e-005		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003	0.0000	7.6540	7.6540	1.0700e-003	0.0000	7.6809
<b>Total</b>	<b>0.0165</b>	<b>0.0461</b>	<b>0.0421</b>	<b>8.0000e-005</b>		<b>2.4300e-003</b>	<b>2.4300e-003</b>		<b>2.4300e-003</b>	<b>2.4300e-003</b>	<b>0.0000</b>	<b>7.6540</b>	<b>7.6540</b>	<b>1.0700e-003</b>	<b>0.0000</b>	<b>7.6809</b>

**11.0 Vegetation**

---

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**Menlo Flats - 2030 Analysis  
Bay Area AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unenclosed Parking with Elevator	176.00	Space	0.00	70,400.00	0
City Park	0.48	Acre	0.48	20,908.80	0
Apartments Mid Rise	158.00	Dwelling Unit	0.90	154,730.00	452
Strip Mall	15.00	1000sqft	0.00	15,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	5			<b>Operational Year</b>	2030
<b>Utility Company</b>	Pacific Gas and Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	81.59	<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 - CO2 intensity based on PG&E default and assuming a Renewables Portfolio Standard (RPS) of 60% by 2030.

Land Use - The proposed project would include a 253,702-gross-square-foot, eight-story mixed-use building with approximately 158 dwelling units and 15,000 square feet of commercial space, and open space, circulation and parking, and infrastructure improvements.

Construction Phase - Operational analysis only.

Trips and VMT - For soil import haul trips, assuming 25 cubic yards of material per load based on information from project applicant.

Demolition - Approximately 24,311 building square footage to be demolished.

Grading - A total of 3,500 cubic yards of soils would be imported.

Vehicle Trips - Based on trip generation prepared for the project (619 net new average daily trips).

Woodstoves - Assuming no hearth as the proposed project would not increase the demand for natural gas as the City's REACH codes would require the buildings to be all electric.



Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	200.00	522.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	4.00	33.00
tblConstructionPhase	NumDays	4.00	33.00
tblConstructionPhase	NumDays	2.00	23.00
tblFireplaces	NumberGas	23.70	0.00
tblFireplaces	NumberNoFireplace	6.32	158.00
tblFireplaces	NumberWood	26.86	0.00
tblGrading	AcresOfGrading	33.00	1.38
tblGrading	AcresOfGrading	33.00	1.38
tblGrading	AcresOfGrading	21.56	1.38
tblGrading	MaterialImported	0.00	3,500.00
tblLandUse	LandUseSquareFeet	158,000.00	154,730.00
tblLandUse	LotAcreage	1.58	0.00
tblLandUse	LotAcreage	4.16	0.90
tblLandUse	LotAcreage	0.34	0.00
tblProjectCharacteristics	CO2IntensityFactor	203.98	81.59
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	402.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.14
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	438.00	140.00
tblVehicleTrips	ST_TR	4.91	2.37
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	42.04	16.33
tblVehicleTrips	SU_TR	4.09	2.37
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	20.43	16.33
tblVehicleTrips	WD_TR	5.44	2.37
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	44.32	16.33
tblWoodstoves	NumberCatalytic	3.16	0.00
tblWoodstoves	NumberNoncatalytic	3.16	0.00

**2.0 Emissions Summary**

---



Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2028	0.1914	1.6291	1.6871	3.9800e-003	0.3780	0.0602	0.4382	0.1727	0.0567	0.2294	0.0000	351.8198	351.8198	0.0586	8.4500e-003	355.8024
2029	0.2142	1.5705	2.0097	4.8200e-003	0.1910	0.0529	0.2440	0.0515	0.0510	0.1025	0.0000	426.4061	426.4061	0.0426	0.0140	431.6490
2030	1.2764	0.5936	1.0259	2.5900e-003	0.0962	9.9900e-003	0.1061	0.0259	9.9500e-003	0.0359	0.0000	227.4455	227.4455	7.8700e-003	6.8000e-003	229.6694
<b>Maximum</b>	<b>1.2764</b>	<b>1.6291</b>	<b>2.0097</b>	<b>4.8200e-003</b>	<b>0.3780</b>	<b>0.0602</b>	<b>0.4382</b>	<b>0.1727</b>	<b>0.0567</b>	<b>0.2294</b>	<b>0.0000</b>	<b>426.4061</b>	<b>426.4061</b>	<b>0.0586</b>	<b>0.0140</b>	<b>431.6490</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					
2028	0.1248	2.5057	1.9609	3.9800e-003	0.2275	0.0855	0.3129	0.0932	0.0854	0.1786	0.0000	351.8195	351.8195	0.0586	8.4500e-003	355.8021
2029	0.1509	2.4731	2.1453	4.8200e-003	0.1910	0.0972	0.2882	0.0515	0.0971	0.1486	0.0000	426.4058	426.4058	0.0426	0.0140	431.6487
2030	1.2594	1.2919	1.1163	2.5900e-003	0.0962	0.0506	0.1467	0.0259	0.0505	0.0764	0.0000	227.4454	227.4454	7.8700e-003	6.8000e-003	229.6693
<b>Maximum</b>	<b>1.2594</b>	<b>2.5057</b>	<b>2.1453</b>	<b>4.8200e-003</b>	<b>0.2275</b>	<b>0.0972</b>	<b>0.3129</b>	<b>0.0932</b>	<b>0.0971</b>	<b>0.1786</b>	<b>0.0000</b>	<b>426.4058</b>	<b>426.4058</b>	<b>0.0586</b>	<b>0.0140</b>	<b>431.6487</b>

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	8.73	-65.32	-10.58	0.00	22.63	-89.45	5.13	31.80	-98.03	-9.73	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-14-2028	6-13-2028	0.5898	0.8538
2	6-14-2028	9-13-2028	0.6850	0.9765
3	9-14-2028	12-13-2028	0.4476	0.6566
4	12-14-2028	3-13-2029	0.4422	0.6489
5	3-14-2029	6-13-2029	0.4483	0.6597
6	6-14-2029	9-13-2029	0.4475	0.6588
7	9-14-2029	12-13-2029	0.4460	0.6551
8	12-14-2029	3-13-2030	0.3518	0.6478
9	3-14-2030	6-13-2030	0.3539	0.7070
10	6-14-2030	9-13-2030	1.0775	1.1430
		Highest	1.0775	1.1430

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**2.2 Overall Operational**

**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	0.8210	0.0135	1.1718	6.0000e-005		6.5100e-003	6.5100e-003		6.5100e-003	6.5100e-003	0.0000	1.9198	1.9198	1.8300e-003	0.0000	1.9656
Energy	7.5600e-003	0.0648	0.0290	4.1000e-004		5.2200e-003	5.2200e-003		5.2200e-003	5.2200e-003	0.0000	108.3012	108.3012	0.0150	3.0100e-003	109.5732
Mobile	0.1945	0.2021	1.7965	3.6500e-003	0.4579	2.4700e-003	0.4604	0.1224	2.3000e-003	0.1247	0.0000	356.2299	356.2299	0.0227	0.0169	361.8362
Stationary	0.0165	0.0461	0.0421	8.0000e-005		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003	0.0000	7.6540	7.6540	1.0700e-003	0.0000	7.6809
Waste						0.0000	0.0000		0.0000	0.0000	17.9586	0.0000	17.9586	1.0613	0.0000	44.4917
Water						0.0000	0.0000		0.0000	0.0000	3.6184	3.2869	6.9053	0.3730	8.9400e-003	18.8928
<b>Total</b>	<b>1.0395</b>	<b>0.3266</b>	<b>3.0394</b>	<b>4.2000e-003</b>	<b>0.4579</b>	<b>0.0166</b>	<b>0.4745</b>	<b>0.1224</b>	<b>0.0165</b>	<b>0.1388</b>	<b>21.5770</b>	<b>477.3918</b>	<b>498.9688</b>	<b>1.4748</b>	<b>0.0289</b>	<b>544.4403</b>

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8210	0.0135	1.1718	6.0000e-005		6.5100e-003	6.5100e-003		6.5100e-003	6.5100e-003	0.0000	1.9198	1.9198	1.8300e-003	0.0000	1.9656
Energy	6.5100e-003	0.0558	0.0249	3.5000e-004		4.5000e-003	4.5000e-003		4.5000e-003	4.5000e-003	0.0000	83.4411	83.4411	8.9400e-003	2.1100e-003	84.2947
Mobile	0.1841	0.1851	1.6473	3.2400e-003	0.4039	2.2200e-003	0.4061	0.1079	2.0700e-003	0.1100	0.0000	315.7297	315.7297	0.0210	0.0155	320.8703
Stationary	0.0165	0.0461	0.0421	8.0000e-005		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003	0.0000	7.6540	7.6540	1.0700e-003	0.0000	7.6809
Waste						0.0000	0.0000		0.0000	0.0000	4.4897	0.0000	4.4897	0.2653	0.0000	11.1229
Water						0.0000	0.0000		0.0000	0.0000	2.8947	2.8301	5.7248	0.2985	7.1600e-003	15.3198
<b>Total</b>	<b>1.0281</b>	<b>0.3005</b>	<b>2.8860</b>	<b>3.7300e-003</b>	<b>0.4039</b>	<b>0.0157</b>	<b>0.4195</b>	<b>0.1079</b>	<b>0.0155</b>	<b>0.1234</b>	<b>7.3844</b>	<b>411.5747</b>	<b>418.9591</b>	<b>0.5967</b>	<b>0.0248</b>	<b>441.2541</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>1.10</b>	<b>7.97</b>	<b>5.05</b>	<b>11.19</b>	<b>11.80</b>	<b>5.83</b>	<b>11.59</b>	<b>11.80</b>	<b>5.77</b>	<b>11.09</b>	<b>65.78</b>	<b>13.79</b>	<b>16.04</b>	<b>59.54</b>	<b>14.21</b>	<b>18.95</b>

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/14/2028	5/12/2028	5	44	
2	Site Preparation	Site Preparation	5/15/2028	6/14/2028	5	23	

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

3	Rough Grading	Grading	5/15/2028	6/28/2028	5	33
4	Fine Grading	Grading	6/15/2028	7/31/2028	5	33
5	Building Construction	Building Construction	6/29/2028	6/29/2030	5	522
6	Paving	Paving	6/3/2030	6/14/2030	5	10
7	Architectural Coating	Architectural Coating	6/17/2030	6/28/2030	5	10

**Acres of Grading (Site Preparation Phase): 1.38**

**Acres of Grading (Grading Phase): 1.38**

**Acres of Paving: 0**

**Residential Indoor: 313,328; Residential Outdoor: 104,443; Non-Residential Indoor: 22,500; Non-Residential Outdoor: 7,500; Striped Parking Area: 4,224 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Rough Grading	Graders	1	8.00	187	0.41
Rough Grading	Rubber Tired Dozers	1	8.00	247	0.40
Rough Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Fine Grading	Graders	1	8.00	187	0.41
Fine Grading	Rubber Tired Dozers	1	8.00	247	0.40
Fine Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	111.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grading	4	10.00	0.00	140.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	157.00	34.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	31.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**3.2 Demolition - 2028**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0120	0.0000	0.0120	1.8100e-003	0.0000	1.8100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0295	0.2839	0.2933	5.3000e-004		0.0120	0.0120		0.0112	0.0112	0.0000	46.4183	46.4183	0.0117	0.0000	46.7110
<b>Total</b>	<b>0.0295</b>	<b>0.2839</b>	<b>0.2933</b>	<b>5.3000e-004</b>	<b>0.0120</b>	<b>0.0120</b>	<b>0.0240</b>	<b>1.8100e-003</b>	<b>0.0112</b>	<b>0.0130</b>	<b>0.0000</b>	<b>46.4183</b>	<b>46.4183</b>	<b>0.0117</b>	<b>0.0000</b>	<b>46.7110</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	1.1000e-004	7.2700e-003	1.7900e-003	3.0000e-005	9.4000e-004	6.0000e-005	1.0000e-003	2.6000e-004	6.0000e-005	3.2000e-004	0.0000	2.9943	2.9943	1.1000e-004	4.7000e-004	3.1385
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	3.1000e-004	4.7900e-003	2.0000e-005	2.2600e-003	1.0000e-005	2.2700e-003	6.0000e-004	1.0000e-005	6.1000e-004	0.0000	1.5823	1.5823	3.0000e-005	4.0000e-005	1.5940
<b>Total</b>	<b>6.6000e-004</b>	<b>7.5800e-003</b>	<b>6.5800e-003</b>	<b>5.0000e-005</b>	<b>3.2000e-003</b>	<b>7.0000e-005</b>	<b>3.2700e-003</b>	<b>8.6000e-004</b>	<b>7.0000e-005</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>4.5766</b>	<b>4.5766</b>	<b>1.4000e-004</b>	<b>5.1000e-004</b>	<b>4.7325</b>

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**3.2 Demolition - 2028**

**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					5.3800e-003	0.0000	5.3800e-003	8.2000e-004	0.0000	8.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0195	0.4665	0.3391	5.3000e-004		0.0158	0.0158		0.0158	0.0158	0.0000	46.4183	46.4183	0.0117	0.0000	46.7110
<b>Total</b>	<b>0.0195</b>	<b>0.4665</b>	<b>0.3391</b>	<b>5.3000e-004</b>	<b>5.3800e-003</b>	<b>0.0158</b>	<b>0.0212</b>	<b>8.2000e-004</b>	<b>0.0158</b>	<b>0.0166</b>	<b>0.0000</b>	<b>46.4183</b>	<b>46.4183</b>	<b>0.0117</b>	<b>0.0000</b>	<b>46.7110</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	1.1000e-004	7.2700e-003	1.7900e-003	3.0000e-005	9.4000e-004	6.0000e-005	1.0000e-003	2.6000e-004	6.0000e-005	3.2000e-004	0.0000	2.9943	2.9943	1.1000e-004	4.7000e-004	3.1385
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	3.1000e-004	4.7900e-003	2.0000e-005	2.2600e-003	1.0000e-005	2.2700e-003	6.0000e-004	1.0000e-005	6.1000e-004	0.0000	1.5823	1.5823	3.0000e-005	4.0000e-005	1.5940
<b>Total</b>	<b>6.6000e-004</b>	<b>7.5800e-003</b>	<b>6.5800e-003</b>	<b>5.0000e-005</b>	<b>3.2000e-003</b>	<b>7.0000e-005</b>	<b>3.2700e-003</b>	<b>8.6000e-004</b>	<b>7.0000e-005</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>4.5766</b>	<b>4.5766</b>	<b>1.4000e-004</b>	<b>5.1000e-004</b>	<b>4.7325</b>



Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**3.3 Site Preparation - 2028**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0613	0.0000	0.0613	0.0334	0.0000	0.0334	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0116	0.1218	0.0741	2.0000e-004		4.8200e-003	4.8200e-003		4.4400e-003	4.4400e-003	0.0000	17.3796	17.3796	5.6200e-003	0.0000	17.5201
<b>Total</b>	<b>0.0116</b>	<b>0.1218</b>	<b>0.0741</b>	<b>2.0000e-004</b>	<b>0.0613</b>	<b>4.8200e-003</b>	<b>0.0662</b>	<b>0.0334</b>	<b>4.4400e-003</b>	<b>0.0378</b>	<b>0.0000</b>	<b>17.3796</b>	<b>17.3796</b>	<b>5.6200e-003</b>	<b>0.0000</b>	<b>17.5201</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	1.8000e-004	1.0000e-004	1.5400e-003	1.0000e-005	7.3000e-004	0.0000	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.5090	0.5090	1.0000e-005	1.0000e-005	0.5128
<b>Total</b>	<b>1.8000e-004</b>	<b>1.0000e-004</b>	<b>1.5400e-003</b>	<b>1.0000e-005</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>7.3000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.5090</b>	<b>0.5090</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.5128</b>

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**3.3 Site Preparation - 2028**

**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					0.0276	0.0000	0.0276	0.0150	0.0000	0.0150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.6400e-003	0.1719	0.1130	2.0000e-004		4.3100e-003	4.3100e-003		4.3100e-003	4.3100e-003	0.0000	17.3795	17.3795	5.6200e-003	0.0000	17.5201
<b>Total</b>	<b>5.6400e-003</b>	<b>0.1719</b>	<b>0.1130</b>	<b>2.0000e-004</b>	<b>0.0276</b>	<b>4.3100e-003</b>	<b>0.0319</b>	<b>0.0150</b>	<b>4.3100e-003</b>	<b>0.0193</b>	<b>0.0000</b>	<b>17.3795</b>	<b>17.3795</b>	<b>5.6200e-003</b>	<b>0.0000</b>	<b>17.5201</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	1.8000e-004	1.0000e-004	1.5400e-003	1.0000e-005	7.3000e-004	0.0000	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.5090	0.5090	1.0000e-005	1.0000e-005	0.5128
<b>Total</b>	<b>1.8000e-004</b>	<b>1.0000e-004</b>	<b>1.5400e-003</b>	<b>1.0000e-005</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>7.3000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.5090</b>	<b>0.5090</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.5128</b>

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**3.4 Rough Grading - 2028**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1003	0.0000	0.1003	0.0547	0.0000	0.0547	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0196	0.2050	0.1402	3.4000e-004		8.1800e-003	8.1800e-003		7.5300e-003	7.5300e-003	0.0000	29.8742	29.8742	9.6600e-003	0.0000	30.1157
<b>Total</b>	<b>0.0196</b>	<b>0.2050</b>	<b>0.1402</b>	<b>3.4000e-004</b>	<b>0.1003</b>	<b>8.1800e-003</b>	<b>0.1085</b>	<b>0.0547</b>	<b>7.5300e-003</b>	<b>0.0623</b>	<b>0.0000</b>	<b>29.8742</b>	<b>29.8742</b>	<b>9.6600e-003</b>	<b>0.0000</b>	<b>30.1157</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	1.4000e-004	9.1700e-003	2.2600e-003	4.0000e-005	1.1800e-003	8.0000e-005	1.2600e-003	3.3000e-004	7.0000e-005	4.0000e-004	0.0000	3.7766	3.7766	1.4000e-004	6.0000e-004	3.9585
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	1.8000e-004	2.7600e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	0.0000	3.5000e-004	0.0000	0.9129	0.9129	2.0000e-005	2.0000e-005	0.9196
<b>Total</b>	<b>4.6000e-004</b>	<b>9.3500e-003</b>	<b>5.0200e-003</b>	<b>5.0000e-005</b>	<b>2.4800e-003</b>	<b>9.0000e-005</b>	<b>2.5700e-003</b>	<b>6.8000e-004</b>	<b>7.0000e-005</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>4.6895</b>	<b>4.6895</b>	<b>1.6000e-004</b>	<b>6.2000e-004</b>	<b>4.8781</b>

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**3.4 Rough Grading - 2028**

**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					0.0451	0.0000	0.0451	0.0246	0.0000	0.0246	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.2987	0.2004	3.4000e-004		8.0000e-003	8.0000e-003		8.0000e-003	8.0000e-003	0.0000	29.8742	29.8742	9.6600e-003	0.0000	30.1157
<b>Total</b>	<b>0.0103</b>	<b>0.2987</b>	<b>0.2004</b>	<b>3.4000e-004</b>	<b>0.0451</b>	<b>8.0000e-003</b>	<b>0.0531</b>	<b>0.0246</b>	<b>8.0000e-003</b>	<b>0.0326</b>	<b>0.0000</b>	<b>29.8742</b>	<b>29.8742</b>	<b>9.6600e-003</b>	<b>0.0000</b>	<b>30.1157</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	1.4000e-004	9.1700e-003	2.2600e-003	4.0000e-005	1.1800e-003	8.0000e-005	1.2600e-003	3.3000e-004	7.0000e-005	4.0000e-004	0.0000	3.7766	3.7766	1.4000e-004	6.0000e-004	3.9585
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	1.8000e-004	2.7600e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	0.0000	3.5000e-004	0.0000	0.9129	0.9129	2.0000e-005	2.0000e-005	0.9196
<b>Total</b>	<b>4.6000e-004</b>	<b>9.3500e-003</b>	<b>5.0200e-003</b>	<b>5.0000e-005</b>	<b>2.4800e-003</b>	<b>9.0000e-005</b>	<b>2.5700e-003</b>	<b>6.8000e-004</b>	<b>7.0000e-005</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>4.6895</b>	<b>4.6895</b>	<b>1.6000e-004</b>	<b>6.2000e-004</b>	<b>4.8781</b>

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**3.5 Fine Grading - 2028**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1001	0.0000	0.1001	0.0547	0.0000	0.0547	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0196	0.2050	0.1402	3.4000e-004		8.1800e-003	8.1800e-003		7.5300e-003	7.5300e-003	0.0000	29.8742	29.8742	9.6600e-003	0.0000	30.1157
<b>Total</b>	<b>0.0196</b>	<b>0.2050</b>	<b>0.1402</b>	<b>3.4000e-004</b>	<b>0.1001</b>	<b>8.1800e-003</b>	<b>0.1083</b>	<b>0.0547</b>	<b>7.5300e-003</b>	<b>0.0622</b>	<b>0.0000</b>	<b>29.8742</b>	<b>29.8742</b>	<b>9.6600e-003</b>	<b>0.0000</b>	<b>30.1157</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	3.2000e-004	1.8000e-004	2.7600e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	0.0000	3.5000e-004	0.0000	0.9129	0.9129	2.0000e-005	2.0000e-005	0.9196
<b>Total</b>	<b>3.2000e-004</b>	<b>1.8000e-004</b>	<b>2.7600e-003</b>	<b>1.0000e-005</b>	<b>1.3000e-003</b>	<b>1.0000e-005</b>	<b>1.3100e-003</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>0.9129</b>	<b>0.9129</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.9196</b>

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**3.5 Fine Grading - 2028**

**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					0.0450	0.0000	0.0450	0.0246	0.0000	0.0246	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.2987	0.2004	3.4000e-004		8.0000e-003	8.0000e-003		8.0000e-003	8.0000e-003	0.0000	29.8742	29.8742	9.6600e-003	0.0000	30.1157
<b>Total</b>	<b>0.0103</b>	<b>0.2987</b>	<b>0.2004</b>	<b>3.4000e-004</b>	<b>0.0450</b>	<b>8.0000e-003</b>	<b>0.0530</b>	<b>0.0246</b>	<b>8.0000e-003</b>	<b>0.0326</b>	<b>0.0000</b>	<b>29.8742</b>	<b>29.8742</b>	<b>9.6600e-003</b>	<b>0.0000</b>	<b>30.1157</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	3.2000e-004	1.8000e-004	2.7600e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	0.0000	3.5000e-004	0.0000	0.9129	0.9129	2.0000e-005	2.0000e-005	0.9196
<b>Total</b>	<b>3.2000e-004</b>	<b>1.8000e-004</b>	<b>2.7600e-003</b>	<b>1.0000e-005</b>	<b>1.3000e-003</b>	<b>1.0000e-005</b>	<b>1.3100e-003</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>0.9129</b>	<b>0.9129</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.9196</b>

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**3.6 Building Construction - 2028**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0874	0.6872	0.8210	1.4600e-003		0.0259	0.0259		0.0250	0.0250	0.0000	119.8773	119.8773	0.0196	0.0000	120.3666
<b>Total</b>	<b>0.0874</b>	<b>0.6872</b>	<b>0.8210</b>	<b>1.4600e-003</b>		<b>0.0259</b>	<b>0.0259</b>		<b>0.0250</b>	<b>0.0250</b>	<b>0.0000</b>	<b>119.8773</b>	<b>119.8773</b>	<b>0.0196</b>	<b>0.0000</b>	<b>120.3666</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	2.1400e-003	0.0976	0.0290	4.1000e-004	0.0147	5.8000e-004	0.0153	4.2600e-003	5.5000e-004	4.8100e-003	0.0000	40.3794	40.3794	8.8000e-004	5.9600e-003	42.1772
Worker	0.0198	0.0113	0.1736	5.9000e-004	0.0819	3.2000e-004	0.0822	0.0218	3.0000e-004	0.0221	0.0000	57.3289	57.3289	1.1800e-003	1.3200e-003	57.7530
<b>Total</b>	<b>0.0220</b>	<b>0.1089</b>	<b>0.2025</b>	<b>1.0000e-003</b>	<b>0.0966</b>	<b>9.0000e-004</b>	<b>0.0975</b>	<b>0.0260</b>	<b>8.5000e-004</b>	<b>0.0269</b>	<b>0.0000</b>	<b>97.7082</b>	<b>97.7082</b>	<b>2.0600e-003</b>	<b>7.2800e-003</b>	<b>99.9302</b>

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**3.6 Building Construction - 2028**

**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	0.0554	1.1437	0.8896	1.4600e-003		0.0483	0.0483		0.0483	0.0483	0.0000	119.8771	119.8771	0.0196	0.0000	120.3664
<b>Total</b>	<b>0.0554</b>	<b>1.1437</b>	<b>0.8896</b>	<b>1.4600e-003</b>		<b>0.0483</b>	<b>0.0483</b>		<b>0.0483</b>	<b>0.0483</b>	<b>0.0000</b>	<b>119.8771</b>	<b>119.8771</b>	<b>0.0196</b>	<b>0.0000</b>	<b>120.3664</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	2.1400e-003	0.0976	0.0290	4.1000e-004	0.0147	5.8000e-004	0.0153	4.2600e-003	5.5000e-004	4.8100e-003	0.0000	40.3794	40.3794	8.8000e-004	5.9600e-003	42.1772
Worker	0.0198	0.0113	0.1736	5.9000e-004	0.0819	3.2000e-004	0.0822	0.0218	3.0000e-004	0.0221	0.0000	57.3289	57.3289	1.1800e-003	1.3200e-003	57.7530
<b>Total</b>	<b>0.0220</b>	<b>0.1089</b>	<b>0.2025</b>	<b>1.0000e-003</b>	<b>0.0966</b>	<b>9.0000e-004</b>	<b>0.0975</b>	<b>0.0260</b>	<b>8.5000e-004</b>	<b>0.0269</b>	<b>0.0000</b>	<b>97.7082</b>	<b>97.7082</b>	<b>2.0600e-003</b>	<b>7.2800e-003</b>	<b>99.9302</b>



Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**3.6 Building Construction - 2029**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1729	1.3589	1.6233	2.8800e-003		0.0512	0.0512		0.0494	0.0494	0.0000	237.0300	237.0300	0.0387	0.0000	237.9975
<b>Total</b>	<b>0.1729</b>	<b>1.3589</b>	<b>1.6233</b>	<b>2.8800e-003</b>		<b>0.0512</b>	<b>0.0512</b>		<b>0.0494</b>	<b>0.0494</b>	<b>0.0000</b>	<b>237.0300</b>	<b>237.0300</b>	<b>0.0387</b>	<b>0.0000</b>	<b>237.9975</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	4.1500e-003	0.1908	0.0566	8.0000e-004	0.0291	1.1200e-003	0.0302	8.4200e-003	1.0800e-003	9.5000e-003	0.0000	77.9956	77.9956	1.7200e-003	0.0115	81.4660
Worker	0.0372	0.0208	0.3297	1.1400e-003	0.1619	6.0000e-004	0.1625	0.0431	5.5000e-004	0.0436	0.0000	111.3804	111.3804	2.1600e-003	2.5200e-003	112.1855
<b>Total</b>	<b>0.0413</b>	<b>0.2116</b>	<b>0.3863</b>	<b>1.9400e-003</b>	<b>0.1910</b>	<b>1.7200e-003</b>	<b>0.1927</b>	<b>0.0515</b>	<b>1.6300e-003</b>	<b>0.0531</b>	<b>0.0000</b>	<b>189.3761</b>	<b>189.3761</b>	<b>3.8800e-003</b>	<b>0.0140</b>	<b>193.6515</b>

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**3.6 Building Construction - 2029**

**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	0.1096	2.2615	1.7590	2.8800e-003		0.0955	0.0955		0.0955	0.0955	0.0000	237.0298	237.0298	0.0387	0.0000	237.9973
<b>Total</b>	<b>0.1096</b>	<b>2.2615</b>	<b>1.7590</b>	<b>2.8800e-003</b>		<b>0.0955</b>	<b>0.0955</b>		<b>0.0955</b>	<b>0.0955</b>	<b>0.0000</b>	<b>237.0298</b>	<b>237.0298</b>	<b>0.0387</b>	<b>0.0000</b>	<b>237.9973</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	4.1500e-003	0.1908	0.0566	8.0000e-004	0.0291	1.1200e-003	0.0302	8.4200e-003	1.0800e-003	9.5000e-003	0.0000	77.9956	77.9956	1.7200e-003	0.0115	81.4660
Worker	0.0372	0.0208	0.3297	1.1400e-003	0.1619	6.0000e-004	0.1625	0.0431	5.5000e-004	0.0436	0.0000	111.3804	111.3804	2.1600e-003	2.5200e-003	112.1855
<b>Total</b>	<b>0.0413</b>	<b>0.2116</b>	<b>0.3863</b>	<b>1.9400e-003</b>	<b>0.1910</b>	<b>1.7200e-003</b>	<b>0.1927</b>	<b>0.0515</b>	<b>1.6300e-003</b>	<b>0.0531</b>	<b>0.0000</b>	<b>189.3761</b>	<b>189.3761</b>	<b>3.8800e-003</b>	<b>0.0140</b>	<b>193.6515</b>

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**3.6 Building Construction - 2030**

**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	0.0697	0.4636	0.7811	1.5400e-003		8.1900e-003	8.1900e-003		8.1900e-003	8.1900e-003	0.0000	125.9593	125.9593	5.6400e-003	0.0000	126.1002
<b>Total</b>	<b>0.0697</b>	<b>0.4636</b>	<b>0.7811</b>	<b>1.5400e-003</b>		<b>8.1900e-003</b>	<b>8.1900e-003</b>		<b>8.1900e-003</b>	<b>8.1900e-003</b>	<b>0.0000</b>	<b>125.9593</b>	<b>125.9593</b>	<b>5.6400e-003</b>	<b>0.0000</b>	<b>126.1002</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	2.0300e-003	0.0939	0.0278	3.9000e-004	0.0144	5.5000e-004	0.0149	4.1600e-003	5.3000e-004	4.6900e-003	0.0000	37.8012	37.8012	8.4000e-004	5.5700e-003	39.4822
Worker	0.0174	9.6400e-003	0.1574	5.5000e-004	0.0800	2.8000e-004	0.0803	0.0213	2.6000e-004	0.0215	0.0000	54.1959	54.1959	9.9000e-004	1.2100e-003	54.5799
<b>Total</b>	<b>0.0195</b>	<b>0.1035</b>	<b>0.1851</b>	<b>9.4000e-004</b>	<b>0.0944</b>	<b>8.3000e-004</b>	<b>0.0952</b>	<b>0.0255</b>	<b>7.9000e-004</b>	<b>0.0262</b>	<b>0.0000</b>	<b>91.9971</b>	<b>91.9971</b>	<b>1.8300e-003</b>	<b>6.7800e-003</b>	<b>94.0621</b>

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**3.6 Building Construction - 2030**

**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	0.0541	1.1177	0.8694	1.5400e-003		0.0472	0.0472		0.0472	0.0472	0.0000	125.9591	125.9591	5.6400e-003	0.0000	126.1001
<b>Total</b>	<b>0.0541</b>	<b>1.1177</b>	<b>0.8694</b>	<b>1.5400e-003</b>		<b>0.0472</b>	<b>0.0472</b>		<b>0.0472</b>	<b>0.0472</b>	<b>0.0000</b>	<b>125.9591</b>	<b>125.9591</b>	<b>5.6400e-003</b>	<b>0.0000</b>	<b>126.1001</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	2.0300e-003	0.0939	0.0278	3.9000e-004	0.0144	5.5000e-004	0.0149	4.1600e-003	5.3000e-004	4.6900e-003	0.0000	37.8012	37.8012	8.4000e-004	5.5700e-003	39.4822
Worker	0.0174	9.6400e-003	0.1574	5.5000e-004	0.0800	2.8000e-004	0.0803	0.0213	2.6000e-004	0.0215	0.0000	54.1959	54.1959	9.9000e-004	1.2100e-003	54.5799
<b>Total</b>	<b>0.0195</b>	<b>0.1035</b>	<b>0.1851</b>	<b>9.4000e-004</b>	<b>0.0944</b>	<b>8.3000e-004</b>	<b>0.0952</b>	<b>0.0255</b>	<b>7.9000e-004</b>	<b>0.0262</b>	<b>0.0000</b>	<b>91.9971</b>	<b>91.9971</b>	<b>1.8300e-003</b>	<b>6.7800e-003</b>	<b>94.0621</b>

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**3.7 Paving - 2030**

**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	4.0800e-003	0.0220	0.0473	8.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004	0.0000	7.0351	7.0351	3.3000e-004	0.0000	7.0434
Paving	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>4.0800e-003</b>	<b>0.0220</b>	<b>0.0473</b>	<b>8.0000e-005</b>		<b>8.6000e-004</b>	<b>8.6000e-004</b>		<b>8.6000e-004</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>7.0351</b>	<b>7.0351</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>7.0434</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	1.1000e-004	6.0000e-005	1.0100e-003	0.0000	5.1000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3479	0.3479	1.0000e-005	1.0000e-005	0.3503
<b>Total</b>	<b>1.1000e-004</b>	<b>6.0000e-005</b>	<b>1.0100e-003</b>	<b>0.0000</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>5.2000e-004</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.3479</b>	<b>0.3479</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.3503</b>

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**3.7 Paving - 2030**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.7500e-003	0.0587	0.0493	8.0000e-005		2.0600e-003	2.0600e-003		2.0600e-003	2.0600e-003	0.0000	7.0351	7.0351	3.3000e-004	0.0000	7.0434
Paving	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>2.7500e-003</b>	<b>0.0587</b>	<b>0.0493</b>	<b>8.0000e-005</b>		<b>2.0600e-003</b>	<b>2.0600e-003</b>		<b>2.0600e-003</b>	<b>2.0600e-003</b>	<b>0.0000</b>	<b>7.0351</b>	<b>7.0351</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>7.0434</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	1.1000e-004	6.0000e-005	1.0100e-003	0.0000	5.1000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3479	0.3479	1.0000e-005	1.0000e-005	0.3503
<b>Total</b>	<b>1.1000e-004</b>	<b>6.0000e-005</b>	<b>1.0100e-003</b>	<b>0.0000</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>5.2000e-004</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.3479</b>	<b>0.3479</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.3503</b>

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**3.8 Architectural Coating - 2030**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1821					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5000e-004	4.2800e-003	8.9900e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.2766	1.2766	5.0000e-005	0.0000	1.2779
<b>Total</b>	<b>1.1828</b>	<b>4.2800e-003</b>	<b>8.9900e-003</b>	<b>1.0000e-005</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.2766</b>	<b>1.2766</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.2779</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	2.7000e-004	1.5000e-004	2.4100e-003	1.0000e-005	1.2200e-003	0.0000	1.2300e-003	3.3000e-004	0.0000	3.3000e-004	0.0000	0.8295	0.8295	2.0000e-005	2.0000e-005	0.8354
<b>Total</b>	<b>2.7000e-004</b>	<b>1.5000e-004</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>	<b>1.2200e-003</b>	<b>0.0000</b>	<b>1.2300e-003</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>0.8295</b>	<b>0.8295</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.8354</b>

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**3.8 Architectural Coating - 2030**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1821					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.7000e-004	0.0118	9.1600e-003	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	1.2766	1.2766	5.0000e-005	0.0000	1.2779
<b>Total</b>	<b>1.1827</b>	<b>0.0118</b>	<b>9.1600e-003</b>	<b>1.0000e-005</b>		<b>4.8000e-004</b>	<b>4.8000e-004</b>		<b>4.8000e-004</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>1.2766</b>	<b>1.2766</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.2779</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	2.7000e-004	1.5000e-004	2.4100e-003	1.0000e-005	1.2200e-003	0.0000	1.2300e-003	3.3000e-004	0.0000	3.3000e-004	0.0000	0.8295	0.8295	2.0000e-005	2.0000e-005	0.8354
<b>Total</b>	<b>2.7000e-004</b>	<b>1.5000e-004</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>	<b>1.2200e-003</b>	<b>0.0000</b>	<b>1.2300e-003</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>0.8295</b>	<b>0.8295</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.8354</b>



Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

- Increase Density
- Increase Diversity
- Improve Destination Accessibility
- Increase Transit Accessibility
- Integrate Below Market Rate Housing
- Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1841	0.1851	1.6473	3.2400e-003	0.4039	2.2200e-003	0.4061	0.1079	2.0700e-003	0.1100	0.0000	315.7297	315.7297	0.0210	0.0155	320.8703
Unmitigated	0.1945	0.2021	1.7965	3.6500e-003	0.4579	2.4700e-003	0.4604	0.1224	2.3000e-003	0.1247	0.0000	356.2299	356.2299	0.0227	0.0169	361.8362

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	374.46	374.46	374.46	864,856	762,803
City Park	0.00	0.00	0.00		
Strip Mall	244.95	244.95	244.95	377,231	332,718
Unenclosed Parking with Elevator	0.00	0.00	0.00		
<b>Total</b>	<b>619.41</b>	<b>619.41</b>	<b>619.41</b>	<b>1,242,087</b>	<b>1,095,520</b>

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15
Unenclosed Parking with	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.555148	0.059467	0.187500	0.120419	0.022094	0.005825	0.011277	0.007430	0.000952	0.000505	0.025870	0.000875	0.002638
City Park	0.555148	0.059467	0.187500	0.120419	0.022094	0.005825	0.011277	0.007430	0.000952	0.000505	0.025870	0.000875	0.002638
Strip Mall	0.555148	0.059467	0.187500	0.120419	0.022094	0.005825	0.011277	0.007430	0.000952	0.000505	0.025870	0.000875	0.002638
Unenclosed Parking with Elevator	0.555148	0.059467	0.187500	0.120419	0.022094	0.005825	0.011277	0.007430	0.000952	0.000505	0.025870	0.000875	0.002638

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Exceed Title 24

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable Energy

Install Energy Efficient Appliances

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	19.0496	19.0496	7.7000e-003	9.3000e-004	19.5206
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	33.4640	33.4640	0.0135	1.6400e-003	34.2913
Natural Gas Mitigated	6.5100e-003	0.0558	0.0249	3.5000e-004		4.5000e-003	4.5000e-003		4.5000e-003	4.5000e-003	0.0000	64.3915	64.3915	1.2300e-003	1.1800e-003	64.7741
Natural Gas Unmitigated	7.5600e-003	0.0648	0.0290	4.1000e-004		5.2200e-003	5.2200e-003		5.2200e-003	5.2200e-003	0.0000	74.8372	74.8372	1.4300e-003	1.3700e-003	75.2819

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.334e+006	7.1900e-003	0.0615	0.0262	3.9000e-004		4.9700e-003	4.9700e-003		4.9700e-003	4.9700e-003	0.0000	71.1871	71.1871	1.3600e-003	1.3100e-003	71.6101
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	68400	3.7000e-004	3.3500e-003	2.8200e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	3.6501	3.6501	7.0000e-005	7.0000e-005	3.6718
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>7.5600e-003</b>	<b>0.0648</b>	<b>0.0290</b>	<b>4.1000e-004</b>		<b>5.2200e-003</b>	<b>5.2200e-003</b>		<b>5.2200e-003</b>	<b>5.2200e-003</b>	<b>0.0000</b>	<b>74.8372</b>	<b>74.8372</b>	<b>1.4300e-003</b>	<b>1.3800e-003</b>	<b>75.2819</b>

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.14983e+006	6.2000e-003	0.0530	0.0226	3.4000e-004		4.2800e-003	4.2800e-003		4.2800e-003	4.2800e-003	0.0000	61.3593	61.3593	1.1800e-003	1.1200e-003	61.7240
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	56820	3.1000e-004	2.7900e-003	2.3400e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	3.0321	3.0321	6.0000e-005	6.0000e-005	3.0502
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>6.5100e-003</b>	<b>0.0558</b>	<b>0.0249</b>	<b>3.6000e-004</b>		<b>4.4900e-003</b>	<b>4.4900e-003</b>		<b>4.4900e-003</b>	<b>4.4900e-003</b>	<b>0.0000</b>	<b>64.3915</b>	<b>64.3915</b>	<b>1.2400e-003</b>	<b>1.1800e-003</b>	<b>64.7741</b>

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	614046	22.7250	9.1900e-003	1.1100e-003	23.2868
City Park	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	153600	5.6845	2.3000e-003	2.8000e-004	5.8251
Unenclosed Parking with Elevator	136576	5.0545	2.0400e-003	2.5000e-004	5.1794
<b>Total</b>		<b>33.4640</b>	<b>0.0135</b>	<b>1.6400e-003</b>	<b>34.2913</b>

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**5.3 Energy by Land Use - Electricity**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	405234	14.9972	6.0700e-003	7.4000e-004	15.3679
City Park	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	74160	2.7446	1.1100e-003	1.3000e-004	2.8124
Unenclosed Parking with Elevator	35340.8	1.3079	5.3000e-004	6.0000e-005	1.3403
<b>Total</b>		<b>19.0496</b>	<b>7.7100e-003</b>	<b>9.3000e-004</b>	<b>19.5206</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

No Hearths Installed

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8210	0.0135	1.1718	6.0000e-005		6.5100e-003	6.5100e-003		6.5100e-003	6.5100e-003	0.0000	1.9198	1.9198	1.8300e-003	0.0000	1.9656
Unmitigated	0.8210	0.0135	1.1718	6.0000e-005		6.5100e-003	6.5100e-003		6.5100e-003	6.5100e-003	0.0000	1.9198	1.9198	1.8300e-003	0.0000	1.9656

**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	0.1182					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6676					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0352	0.0135	1.1718	6.0000e-005		6.5100e-003	6.5100e-003		6.5100e-003	6.5100e-003	0.0000	1.9198	1.9198	1.8300e-003	0.0000	1.9656
<b>Total</b>	<b>0.8210</b>	<b>0.0135</b>	<b>1.1718</b>	<b>6.0000e-005</b>		<b>6.5100e-003</b>	<b>6.5100e-003</b>		<b>6.5100e-003</b>	<b>6.5100e-003</b>	<b>0.0000</b>	<b>1.9198</b>	<b>1.9198</b>	<b>1.8300e-003</b>	<b>0.0000</b>	<b>1.9656</b>



Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1182					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6676					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0352	0.0135	1.1718	6.0000e-005		6.5100e-003	6.5100e-003		6.5100e-003	6.5100e-003	0.0000	1.9198	1.9198	1.8300e-003	0.0000	1.9656
<b>Total</b>	<b>0.8210</b>	<b>0.0135</b>	<b>1.1718</b>	<b>6.0000e-005</b>		<b>6.5100e-003</b>	<b>6.5100e-003</b>		<b>6.5100e-003</b>	<b>6.5100e-003</b>	<b>0.0000</b>	<b>1.9198</b>	<b>1.9198</b>	<b>1.8300e-003</b>	<b>0.0000</b>	<b>1.9656</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.7248	0.2985	7.1600e-003	15.3198
Unmitigated	6.9053	0.3730	8.9400e-003	18.8928

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	10.2943 / 6.48991	6.1680	0.3366	8.0600e-003	16.9861
City Park	0 / 0.571911	0.0741	3.0000e-005	0.0000	0.0759
Strip Mall	1.11109 / 0.680989	0.6632	0.0363	8.7000e-004	1.8308
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>6.9053</b>	<b>0.3730</b>	<b>8.9300e-003</b>	<b>18.8928</b>

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	8.23547 / 6.48991	5.1026	0.2694	6.4600e-003	13.7612
City Park	0 / 0.571911	0.0741	3.0000e-005	0.0000	0.0759
Strip Mall	0.88887 / 0.680989	0.5482	0.0291	7.0000e-004	1.4827
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>5.7248</b>	<b>0.2985</b>	<b>7.1600e-003</b>	<b>15.3198</b>

**8.0 Waste Detail**

---

**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4.4897	0.2653	0.0000	11.1229
Unmitigated	17.9586	1.0613	0.0000	44.4917

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	72.68	14.7534	0.8719	0.0000	36.5509
City Park	0.04	8.1200e-003	4.8000e-004	0.0000	0.0201
Strip Mall	15.75	3.1971	0.1889	0.0000	7.9207
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>17.9586</b>	<b>1.0613</b>	<b>0.0000</b>	<b>44.4917</b>

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	18.17	3.6884	0.2180	0.0000	9.1377
City Park	0.01	2.0300e-003	1.2000e-004	0.0000	5.0300e-003
Strip Mall	3.9375	0.7993	0.0472	0.0000	1.9802
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>4.4897</b>	<b>0.2653</b>	<b>0.0000</b>	<b>11.1229</b>

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.14	50	402	0.73	Diesel

**Boilers**

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

Menlo Flats - 2030 Analysis - Bay Area AQMD Air District, Annual

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

**User Defined Equipment**

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

**10.1 Stationary Sources**

**Unmitigated/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
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (300 - 600 HP)	0.0165	0.0461	0.0421	8.0000e-005		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003	0.0000	7.6540	7.6540	1.0700e-003	0.0000	7.6809
<b>Total</b>	<b>0.0165</b>	<b>0.0461</b>	<b>0.0421</b>	<b>8.0000e-005</b>		<b>2.4300e-003</b>	<b>2.4300e-003</b>		<b>2.4300e-003</b>	<b>2.4300e-003</b>	<b>0.0000</b>	<b>7.6540</b>	<b>7.6540</b>	<b>1.0700e-003</b>	<b>0.0000</b>	<b>7.6809</b>

**11.0 Vegetation**

---