

Appendix B

Air Quality Modeling Results

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Annual

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

200 Portage Avenue Air Quality

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	36.00	Space	0.00	14,400.00	0
Condo/Townhouse High Rise	91.00	Dwelling Unit	4.86	194,128.00	260

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2024
Utility Company	City of Palo Alto Utilities Department				
CO2 Intensity (lb/MWhr)	0	CH4 Intensity (lb/MWhr)	0	N2O Intensity (lb/MWhr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CPAU electricity has been 100% carbon neutral since 2013; <https://www.cityofpaloalto.org/Departments/Utilities/Sustainability/Carbon-Neutral-Electricity-and-Natural-Gas>

Land Use - Residential square footage based on applicant provided data. Surface parking square footage based on CalEEMod defaults.

Construction Phase - Based on applicant provided construction schedule of 18 months and 6 days a week.

Off-road Equipment - Based on applicant provided construction equipment.

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200 Portage Avenue Air Quality - Bay Area AQMD Air District, Annual

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Trips and VMT - Hauling trip length based on applicant provided information of 16 miles to Zanker Recycling. Number of hauling trips based on applicant provided data.

Demolition - Based on applicant provided information.

Grading - Based on applicant provided information for 2,000 cubic yards of export and 1,500 cubic yards of import.

Architectural Coating - BAAQMD Regulation 8 Rule 3, used Non-Flat Coating and Traffic Marking Coatings

Vehicle Trips - Based on W-Trans trip generation rate (655 total daily trips / 91 dwelling units).

Woodstoves - BAAQMD Regulation 6 Rule 3, No woodburning devices

Area Coating - BAAQMD Regulation 8 Rule 3, used Non-Flat Coating and Traffic Marking Coatings

Energy Use - All-electric pursuant to the City's All-Electric Mandate and 2019 Energy Reach Code Ordinances:

https://www.cityofpaloalto.org/files/assets/public/development-services/green-building-files/2020-all-electric-mandate-summary_final03.31.2020.pdf?t=58748.46

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

Construction Off-road Equipment Mitigation - Pursuant to Palo Alto Comprehensive Plan Polich N-5.5 and Comprehensive Plan EIR Mitigation Measure AIR-2a, comply with BAAQMD Basic Construction Mitigation Measures. All equipment will be equipped with DPFs according to applicant provided information.

Area Mitigation -

Energy Mitigation - Pursuant to Section 150.1(b)14 of the 2019 Building Energy Efficiency Standards, residential uses under three stories must install PV solar panels that generate an amount of electricity equal to expected electricity usage.

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

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Parking	150.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	100
tblAreaCoating	Area_EF_Parking	150	100
tblAreaCoating	Area_EF_Residential_Exterior	150	100
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	150
tblAreaMitigation	UseLowVOCPaintParkingValue	100	150
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	150
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3

200 Portage Avenue Air Quality - 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	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	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstructionPhase	NumDays	18.00	160.00
tblConstructionPhase	NumDays	230.00	170.00
tblConstructionPhase	NumDays	20.00	50.00
tblConstructionPhase	NumDays	8.00	15.00

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Annual

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

tblConstructionPhase	NumDays	18.00	60.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	NT24E	3,054.10	6,209.10
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	T24E	70.89	1,602.68
tblEnergyUse	T24NG	5,226.68	0.00
tblFireplaces	FireplaceDayYear	11.14	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberGas	13.65	0.00
tblFireplaces	NumberNoFireplace	3.64	0.00
tblFireplaces	NumberWood	15.47	0.00
tblGrading	MaterialExported	0.00	2,000.00
tblGrading	MaterialImported	0.00	1,500.00
tblLandUse	LandUseSquareFeet	91,000.00	194,128.00
tblLandUse	LotAcreage	0.32	0.00
tblLandUse	LotAcreage	1.42	4.86
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	16.00
tblTripsAndVMT	HaulingTripLength	20.00	16.00
tblTripsAndVMT	HaulingTripLength	20.00	16.00
tblTripsAndVMT	HaulingTripLength	20.00	16.00
tblTripsAndVMT	HaulingTripLength	20.00	16.00
tblTripsAndVMT	HaulingTripLength	20.00	16.00
tblTripsAndVMT	HaulingTripLength	20.00	16.00
tblTripsAndVMT	HaulingTripLength	20.00	16.00
tblTripsAndVMT	HaulingTripNumber	0.00	20.00
tblVehicleTrips	WD_TR	5.44	7.20

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tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	1.82	0.00
tblWoodstoves	NumberNoncatalytic	1.82	0.00
tblWoodstoves	WoodstoveDayYear	14.12	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

200 Portage Avenue Air Quality - 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	0.1336	1.3331	1.5119	2.7100e-003	0.1401	0.0618	0.2019	0.0478	0.0569	0.1047	0.0000	241.0433	241.0433	0.0653	4.3300e-003	243.9660
2023	1.4033	1.4018	2.0185	3.4300e-003	0.0549	0.0708	0.1257	0.0147	0.0678	0.0826	0.0000	299.6937	299.6937	0.0491	3.5100e-003	301.9652
Maximum	1.4033	1.4018	2.0185	3.4300e-003	0.1401	0.0708	0.2019	0.0478	0.0678	0.1047	0.0000	299.6937	299.6937	0.0653	4.3300e-003	301.9652

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	0.1336	1.3331	1.5119	2.7100e-003	0.0779	9.8800e-003	0.0878	0.0255	9.1300e-003	0.0346	0.0000	241.0431	241.0431	0.0653	4.3300e-003	243.9658
2023	1.4033	1.4018	2.0185	3.4300e-003	0.0549	0.0110	0.0659	0.0147	0.0106	0.0253	0.0000	299.6934	299.6934	0.0491	3.5100e-003	301.9649
Maximum	1.4033	1.4018	2.0185	3.4300e-003	0.0779	0.0110	0.0878	0.0255	0.0106	0.0346	0.0000	299.6934	299.6934	0.0653	4.3300e-003	301.9649

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	31.88	84.23	53.06	35.64	84.23	68.01	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2022	8-31-2022	0.8371	0.8371
2	9-1-2022	11-30-2022	0.4483	0.4483
3	12-1-2022	2-28-2023	0.4562	0.4562
4	3-1-2023	5-31-2023	0.8883	0.8883
5	6-1-2023	8-31-2023	0.9554	0.9554
6	9-1-2023	9-30-2023	0.2988	0.2988
		Highest	0.9554	0.9554

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9011	7.7800e-003	0.6757	4.0000e-005		3.7400e-003	3.7400e-003		3.7400e-003	3.7400e-003	0.0000	1.1044	1.1044	1.0600e-003	0.0000	1.1309
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.2438	0.2733	2.2596	4.6500e-003	0.4980	3.4600e-003	0.5015	0.1330	3.2200e-003	0.1363	0.0000	435.8499	435.8499	0.0290	0.0211	442.8711
Waste						0.0000	0.0000		0.0000	0.0000	8.4972	0.0000	8.4972	0.5022	0.0000	21.0515
Water						0.0000	0.0000		0.0000	0.0000	2.0977	0.0000	2.0977	7.2200e-003	4.5600e-003	3.6376
Total	1.1449	0.2811	2.9354	4.6900e-003	0.4980	7.2000e-003	0.5052	0.1330	6.9600e-003	0.1400	10.5949	436.9542	447.5491	0.5394	0.0257	468.6911

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Annual

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9011	7.7800e-003	0.6757	4.0000e-005		3.7400e-003	3.7400e-003		3.7400e-003	3.7400e-003	0.0000	1.1044	1.1044	1.0600e-003	0.0000	1.1309
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.2438	0.2733	2.2596	4.6500e-003	0.4980	3.4600e-003	0.5015	0.1330	3.2200e-003	0.1363	0.0000	435.8499	435.8499	0.0290	0.0211	442.8711
Waste						0.0000	0.0000		0.0000	0.0000	8.4972	0.0000	8.4972	0.5022	0.0000	21.0515
Water						0.0000	0.0000		0.0000	0.0000	1.6782	0.0000	1.6782	5.7800e-003	3.6500e-003	2.9101
Total	1.1449	0.2811	2.9354	4.6900e-003	0.4980	7.2000e-003	0.5052	0.1330	6.9600e-003	0.1400	10.1754	436.9542	447.1296	0.5380	0.0248	467.9636

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.96	0.00	0.09	0.27	3.54	0.16

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	6/1/2022	7/28/2022	6	50	
2	Site Preparation	Site Preparation	7/29/2022	8/3/2022	6	5	
3	Grading	Grading	8/4/2022	8/20/2022	6	15	

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Annual

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4	Trenching	Trenching	8/22/2022	11/22/2022	6	80
5	Building Construction	Building Construction	11/23/2022	6/8/2023	6	170
6	Architectural Coating	Architectural Coating	4/18/2023	10/20/2023	6	160
7	Paving	Paving	10/21/2023	12/29/2023	6	60

Acres of Grading (Site Preparation Phase): 2.5

Acres of Grading (Grading Phase): 22.5

Acres of Paving: 0

Residential Indoor: 393,109; Residential Outdoor: 131,036; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 864 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	0.00	81	0.73
Demolition	Excavators	2	8.00	158	0.38
Demolition	Forklifts	1	8.00	89	0.20
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Skid Steer Loaders	6	8.00	65	0.37
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Excavators	2	8.00	158	0.38
Trenching	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	0	0.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Generator Sets	0	0.00	84	0.74

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Annual

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Building Construction	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	4	8.00	78	0.48
Paving	Cement and Mortar Mixers	0	0.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	0.00	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	10	25.00	0.00	364.00	10.80	7.30	16.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	16.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	438.00	10.80	7.30	16.00	LD_Mix	HDT_Mix	HHDT
Trenching	6	15.00	0.00	0.00	10.80	7.30	16.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	72.00	12.00	20.00	10.80	7.30	16.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	4	14.00	0.00	0.00	10.80	7.30	16.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	10.80	7.30	16.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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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					0.0394	0.0000	0.0394	5.9600e-003	0.0000	5.9600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0443	0.4744	0.4892	8.2000e-004		0.0217	0.0217		0.0199	0.0199	0.0000	72.0632	72.0632	0.0233	0.0000	72.6459
Total	0.0443	0.4744	0.4892	8.2000e-004	0.0394	0.0217	0.0610	5.9600e-003	0.0199	0.0259	0.0000	72.0632	72.0632	0.0233	0.0000	72.6459

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	7.1000e-004	0.0257	5.8100e-003	9.0000e-005	2.4600e-003	2.3000e-004	2.6900e-003	6.8000e-004	2.2000e-004	8.9000e-004	0.0000	9.2182	9.2182	3.0000e-004	1.4600e-003	9.6608
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	1.7200e-003	1.2400e-003	0.0150	4.0000e-005	4.9400e-003	3.0000e-005	4.9700e-003	1.3100e-003	2.0000e-005	1.3400e-003	0.0000	3.9720	3.9720	1.2000e-004	1.1000e-004	4.0092
Total	2.4300e-003	0.0270	0.0208	1.3000e-004	7.4000e-003	2.6000e-004	7.6600e-003	1.9900e-003	2.4000e-004	2.2300e-003	0.0000	13.1901	13.1901	4.2000e-004	1.5700e-003	13.6700

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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					0.0177	0.0000	0.0177	2.6800e-003	0.0000	2.6800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0443	0.4744	0.4892	8.2000e-004		3.2500e-003	3.2500e-003		2.9900e-003	2.9900e-003	0.0000	72.0631	72.0631	0.0233	0.0000	72.6458
Total	0.0443	0.4744	0.4892	8.2000e-004	0.0177	3.2500e-003	0.0210	2.6800e-003	2.9900e-003	5.6700e-003	0.0000	72.0631	72.0631	0.0233	0.0000	72.6458

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	7.1000e-004	0.0257	5.8100e-003	9.0000e-005	2.4600e-003	2.3000e-004	2.6900e-003	6.8000e-004	2.2000e-004	8.9000e-004	0.0000	9.2182	9.2182	3.0000e-004	1.4600e-003	9.6608
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	1.7200e-003	1.2400e-003	0.0150	4.0000e-005	4.9400e-003	3.0000e-005	4.9700e-003	1.3100e-003	2.0000e-005	1.3400e-003	0.0000	3.9720	3.9720	1.2000e-004	1.1000e-004	4.0092
Total	2.4300e-003	0.0270	0.0208	1.3000e-004	7.4000e-003	2.6000e-004	7.6600e-003	1.9900e-003	2.4000e-004	2.2300e-003	0.0000	13.1901	13.1901	4.2000e-004	1.5700e-003	13.6700

200 Portage Avenue Air Quality - 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 - 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					0.0164	0.0000	0.0164	8.4200e-003	0.0000	8.4200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9200e-003	0.0304	0.0201	4.0000e-005		1.4900e-003	1.4900e-003		1.3700e-003	1.3700e-003	0.0000	3.2421	3.2421	1.0500e-003	0.0000	3.2683
Total	2.9200e-003	0.0304	0.0201	4.0000e-005	0.0164	1.4900e-003	0.0179	8.4200e-003	1.3700e-003	9.7900e-003	0.0000	3.2421	3.2421	1.0500e-003	0.0000	3.2683

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	4.0000e-005	4.8000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1271	0.1271	0.0000	0.0000	0.1283
Total	5.0000e-005	4.0000e-005	4.8000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1271	0.1271	0.0000	0.0000	0.1283

200 Portage Avenue Air Quality - 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 - 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					7.3700e-003	0.0000	7.3700e-003	3.7900e-003	0.0000	3.7900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9200e-003	0.0304	0.0201	4.0000e-005		2.2000e-004	2.2000e-004		2.1000e-004	2.1000e-004	0.0000	3.2421	3.2421	1.0500e-003	0.0000	3.2683
Total	2.9200e-003	0.0304	0.0201	4.0000e-005	7.3700e-003	2.2000e-004	7.5900e-003	3.7900e-003	2.1000e-004	4.0000e-003	0.0000	3.2421	3.2421	1.0500e-003	0.0000	3.2683

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	4.0000e-005	4.8000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1271	0.1271	0.0000	0.0000	0.1283
Total	5.0000e-005	4.0000e-005	4.8000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1271	0.1271	0.0000	0.0000	0.1283

200 Portage Avenue Air Quality - 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 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					0.0573	0.0000	0.0573	0.0261	0.0000	0.0261	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0150	0.1700	0.0863	2.1000e-004		6.9900e-003	6.9900e-003		6.4300e-003	6.4300e-003	0.0000	18.4526	18.4526	5.9700e-003	0.0000	18.6018
Total	0.0150	0.1700	0.0863	2.1000e-004	0.0573	6.9900e-003	0.0643	0.0261	6.4300e-003	0.0326	0.0000	18.4526	18.4526	5.9700e-003	0.0000	18.6018

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	8.6000e-004	0.0310	6.9900e-003	1.1000e-004	2.9600e-003	2.7000e-004	3.2300e-003	8.2000e-004	2.6000e-004	1.0700e-003	0.0000	11.0922	11.0922	3.6000e-004	1.7600e-003	11.6248
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	1.9000e-004	2.3300e-003	1.0000e-005	7.7000e-004	0.0000	7.7000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.6196	0.6196	2.0000e-005	2.0000e-005	0.6254
Total	1.1300e-003	0.0312	9.3200e-003	1.2000e-004	3.7300e-003	2.7000e-004	4.0000e-003	1.0200e-003	2.6000e-004	1.2800e-003	0.0000	11.7118	11.7118	3.8000e-004	1.7800e-003	12.2502

200 Portage Avenue Air Quality - 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 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					0.0258	0.0000	0.0258	0.0118	0.0000	0.0118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0150	0.1700	0.0863	2.1000e-004		1.0500e-003	1.0500e-003		9.6000e-004	9.6000e-004	0.0000	18.4526	18.4526	5.9700e-003	0.0000	18.6018
Total	0.0150	0.1700	0.0863	2.1000e-004	0.0258	1.0500e-003	0.0268	0.0118	9.6000e-004	0.0127	0.0000	18.4526	18.4526	5.9700e-003	0.0000	18.6018

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	8.6000e-004	0.0310	6.9900e-003	1.1000e-004	2.9600e-003	2.7000e-004	3.2300e-003	8.2000e-004	2.6000e-004	1.0700e-003	0.0000	11.0922	11.0922	3.6000e-004	1.7600e-003	11.6248
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	1.9000e-004	2.3300e-003	1.0000e-005	7.7000e-004	0.0000	7.7000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.6196	0.6196	2.0000e-005	2.0000e-005	0.6254
Total	1.1300e-003	0.0312	9.3200e-003	1.2000e-004	3.7300e-003	2.7000e-004	4.0000e-003	1.0200e-003	2.6000e-004	1.2800e-003	0.0000	11.7118	11.7118	3.8000e-004	1.7800e-003	12.2502

200 Portage Avenue Air Quality - 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 Trenching - 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	0.0426	0.4103	0.6185	9.1000e-004		0.0213	0.0213		0.0196	0.0196	0.0000	80.0132	80.0132	0.0259	0.0000	80.6602
Total	0.0426	0.4103	0.6185	9.1000e-004		0.0213	0.0213		0.0196	0.0196	0.0000	80.0132	80.0132	0.0259	0.0000	80.6602

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	1.6500e-003	1.1900e-003	0.0144	4.0000e-005	4.7400e-003	3.0000e-005	4.7700e-003	1.2600e-003	2.0000e-005	1.2800e-003	0.0000	3.8131	3.8131	1.2000e-004	1.1000e-004	3.8488
Total	1.6500e-003	1.1900e-003	0.0144	4.0000e-005	4.7400e-003	3.0000e-005	4.7700e-003	1.2600e-003	2.0000e-005	1.2800e-003	0.0000	3.8131	3.8131	1.2000e-004	1.1000e-004	3.8488

200 Portage Avenue Air Quality - 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 Trenching - 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	0.0426	0.4103	0.6185	9.1000e-004		3.1900e-003	3.1900e-003		2.9400e-003	2.9400e-003	0.0000	80.0131	80.0131	0.0259	0.0000	80.6601
Total	0.0426	0.4103	0.6185	9.1000e-004		3.1900e-003	3.1900e-003		2.9400e-003	2.9400e-003	0.0000	80.0131	80.0131	0.0259	0.0000	80.6601

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	1.6500e-003	1.1900e-003	0.0144	4.0000e-005	4.7400e-003	3.0000e-005	4.7700e-003	1.2600e-003	2.0000e-005	1.2800e-003	0.0000	3.8131	3.8131	1.2000e-004	1.1000e-004	3.8488
Total	1.6500e-003	1.1900e-003	0.0144	4.0000e-005	4.7400e-003	3.0000e-005	4.7700e-003	1.2600e-003	2.0000e-005	1.2800e-003	0.0000	3.8131	3.8131	1.2000e-004	1.1000e-004	3.8488

200 Portage Avenue Air Quality - 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	0.0198	0.1747	0.2202	3.1000e-004		9.5900e-003	9.5900e-003		8.9100e-003	8.9100e-003	0.0000	26.3487	26.3487	7.8700e-003	0.0000	26.5454
Total	0.0198	0.1747	0.2202	3.1000e-004		9.5900e-003	9.5900e-003		8.9100e-003	8.9100e-003	0.0000	26.3487	26.3487	7.8700e-003	0.0000	26.5454

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	2.8000e-004	6.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1013	0.1013	0.0000	2.0000e-005	0.1062
Vendor	4.4000e-004	0.0114	3.3200e-003	4.0000e-005	1.3400e-003	1.2000e-004	1.4600e-003	3.9000e-004	1.1000e-004	5.0000e-004	0.0000	4.2014	4.2014	9.0000e-005	6.2000e-004	4.3894
Worker	3.3600e-003	2.4200e-003	0.0293	8.0000e-005	9.6700e-003	5.0000e-005	9.7200e-003	2.5700e-003	5.0000e-005	2.6200e-003	0.0000	7.7787	7.7787	2.4000e-004	2.2000e-004	7.8516
Total	3.8100e-003	0.0141	0.0327	1.2000e-004	0.0110	1.7000e-004	0.0112	2.9700e-003	1.6000e-004	3.1300e-003	0.0000	12.0814	12.0814	3.3000e-004	8.6000e-004	12.3471

200 Portage Avenue Air Quality - 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	0.0198	0.1747	0.2202	3.1000e-004		1.4400e-003	1.4400e-003		1.3400e-003	1.3400e-003	0.0000	26.3486	26.3486	7.8700e-003	0.0000	26.5454
Total	0.0198	0.1747	0.2202	3.1000e-004		1.4400e-003	1.4400e-003		1.3400e-003	1.3400e-003	0.0000	26.3486	26.3486	7.8700e-003	0.0000	26.5454

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	2.8000e-004	6.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1013	0.1013	0.0000	2.0000e-005	0.1062
Vendor	4.4000e-004	0.0114	3.3200e-003	4.0000e-005	1.3400e-003	1.2000e-004	1.4600e-003	3.9000e-004	1.1000e-004	5.0000e-004	0.0000	4.2014	4.2014	9.0000e-005	6.2000e-004	4.3894
Worker	3.3600e-003	2.4200e-003	0.0293	8.0000e-005	9.6700e-003	5.0000e-005	9.7200e-003	2.5700e-003	5.0000e-005	2.6200e-003	0.0000	7.7787	7.7787	2.4000e-004	2.2000e-004	7.8516
Total	3.8100e-003	0.0141	0.0327	1.2000e-004	0.0110	1.7000e-004	0.0112	2.9700e-003	1.6000e-004	3.1300e-003	0.0000	12.0814	12.0814	3.3000e-004	8.6000e-004	12.3471

200 Portage Avenue Air Quality - 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	0.0724	0.6448	0.8767	1.2300e-003		0.0324	0.0324		0.0301	0.0301	0.0000	105.4779	105.4779	0.0314	0.0000	106.2622
Total	0.0724	0.6448	0.8767	1.2300e-003		0.0324	0.0324		0.0301	0.0301	0.0000	105.4779	105.4779	0.0314	0.0000	106.2622

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	9.0000e-004	2.3000e-004	0.0000	1.1000e-004	1.0000e-005	1.2000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3858	0.3858	1.0000e-005	6.0000e-005	0.4043
Vendor	8.7000e-004	0.0363	0.0114	1.7000e-004	5.3500e-003	2.1000e-004	5.5700e-003	1.5500e-003	2.0000e-004	1.7500e-003	0.0000	16.1075	16.1075	3.3000e-004	2.3800e-003	16.8258
Worker	0.0125	8.5800e-003	0.1086	3.3000e-004	0.0387	2.0000e-004	0.0389	0.0103	1.8000e-004	0.0105	0.0000	30.3209	30.3209	8.7000e-004	8.3000e-004	30.5906
Total	0.0134	0.0458	0.1202	5.0000e-004	0.0442	4.2000e-004	0.0446	0.0119	3.9000e-004	0.0123	0.0000	46.8142	46.8142	1.2100e-003	3.2700e-003	47.8207

200 Portage Avenue Air Quality - 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	0.0724	0.6448	0.8767	1.2300e-003		4.8700e-003	4.8700e-003		4.5200e-003	4.5200e-003	0.0000	105.4778	105.4778	0.0314	0.0000	106.2620
Total	0.0724	0.6448	0.8767	1.2300e-003		4.8700e-003	4.8700e-003		4.5200e-003	4.5200e-003	0.0000	105.4778	105.4778	0.0314	0.0000	106.2620

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	9.0000e-004	2.3000e-004	0.0000	1.1000e-004	1.0000e-005	1.2000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3858	0.3858	1.0000e-005	6.0000e-005	0.4043
Vendor	8.7000e-004	0.0363	0.0114	1.7000e-004	5.3500e-003	2.1000e-004	5.5700e-003	1.5500e-003	2.0000e-004	1.7500e-003	0.0000	16.1075	16.1075	3.3000e-004	2.3800e-003	16.8258
Worker	0.0125	8.5800e-003	0.1086	3.3000e-004	0.0387	2.0000e-004	0.0389	0.0103	1.8000e-004	0.0105	0.0000	30.3209	30.3209	8.7000e-004	8.3000e-004	30.5906
Total	0.0134	0.0458	0.1202	5.0000e-004	0.0442	4.2000e-004	0.0446	0.0119	3.9000e-004	0.0123	0.0000	46.8142	46.8142	1.2100e-003	3.2700e-003	47.8207

200 Portage Avenue Air Quality - 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 Architectural Coating - 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					
Archit. Coating	1.2167					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0818	0.5559	0.7727	1.2700e-003		0.0302	0.0302		0.0302	0.0302	0.0000	108.9388	108.9388	6.5200e-003	0.0000	109.1018
Total	1.2985	0.5559	0.7727	1.2700e-003		0.0302	0.0302		0.0302	0.0302	0.0000	108.9388	108.9388	6.5200e-003	0.0000	109.1018

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	2.8700e-003	1.9600e-003	0.0248	7.0000e-005	8.8500e-003	5.0000e-005	8.9000e-003	2.3500e-003	4.0000e-005	2.4000e-003	0.0000	6.9362	6.9362	2.0000e-004	1.9000e-004	6.9979
Total	2.8700e-003	1.9600e-003	0.0248	7.0000e-005	8.8500e-003	5.0000e-005	8.9000e-003	2.3500e-003	4.0000e-005	2.4000e-003	0.0000	6.9362	6.9362	2.0000e-004	1.9000e-004	6.9979

200 Portage Avenue Air Quality - 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 Architectural Coating - 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					
Archit. Coating	1.2167					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0818	0.5559	0.7727	1.2700e-003		4.5300e-003	4.5300e-003		4.5300e-003	4.5300e-003	0.0000	108.9387	108.9387	6.5200e-003	0.0000	109.1016
Total	1.2985	0.5559	0.7727	1.2700e-003		4.5300e-003	4.5300e-003		4.5300e-003	4.5300e-003	0.0000	108.9387	108.9387	6.5200e-003	0.0000	109.1016

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	2.8700e-003	1.9600e-003	0.0248	7.0000e-005	8.8500e-003	5.0000e-005	8.9000e-003	2.3500e-003	4.0000e-005	2.4000e-003	0.0000	6.9362	6.9362	2.0000e-004	1.9000e-004	6.9979
Total	2.8700e-003	1.9600e-003	0.0248	7.0000e-005	8.8500e-003	5.0000e-005	8.9000e-003	2.3500e-003	4.0000e-005	2.4000e-003	0.0000	6.9362	6.9362	2.0000e-004	1.9000e-004	6.9979

200 Portage Avenue Air Quality - 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 Paving - 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	0.0155	0.1529	0.2188	3.4000e-004		7.6500e-003	7.6500e-003		7.0400e-003	7.0400e-003	0.0000	30.0403	30.0403	9.7200e-003	0.0000	30.2832
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0155	0.1529	0.2188	3.4000e-004		7.6500e-003	7.6500e-003		7.0400e-003	7.0400e-003	0.0000	30.0403	30.0403	9.7200e-003	0.0000	30.2832

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	4.2000e-004	5.3200e-003	2.0000e-005	1.9000e-003	1.0000e-005	1.9100e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.4863	1.4863	4.0000e-005	4.0000e-005	1.4995
Total	6.1000e-004	4.2000e-004	5.3200e-003	2.0000e-005	1.9000e-003	1.0000e-005	1.9100e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.4863	1.4863	4.0000e-005	4.0000e-005	1.4995

200 Portage Avenue Air Quality - 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 Paving - 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	0.0155	0.1529	0.2188	3.4000e-004		1.1500e-003	1.1500e-003		1.0600e-003	1.0600e-003	0.0000	30.0403	30.0403	9.7200e-003	0.0000	30.2832
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0155	0.1529	0.2188	3.4000e-004		1.1500e-003	1.1500e-003		1.0600e-003	1.0600e-003	0.0000	30.0403	30.0403	9.7200e-003	0.0000	30.2832

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	4.2000e-004	5.3200e-003	2.0000e-005	1.9000e-003	1.0000e-005	1.9100e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.4863	1.4863	4.0000e-005	4.0000e-005	1.4995
Total	6.1000e-004	4.2000e-004	5.3200e-003	2.0000e-005	1.9000e-003	1.0000e-005	1.9100e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.4863	1.4863	4.0000e-005	4.0000e-005	1.4995

200 Portage Avenue Air Quality - 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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2438	0.2733	2.2596	4.6500e-003	0.4980	3.4600e-003	0.5015	0.1330	3.2200e-003	0.1363	0.0000	435.8499	435.8499	0.0290	0.0211	442.8711
Unmitigated	0.2438	0.2733	2.2596	4.6500e-003	0.4980	3.4600e-003	0.5015	0.1330	3.2200e-003	0.1363	0.0000	435.8499	435.8499	0.0290	0.0211	442.8711

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse High Rise	655.20	446.81	372.19	1,351,120	1,351,120
Parking Lot	0.00	0.00	0.00		
Total	655.20	446.81	372.19	1,351,120	1,351,120

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
Condo/Townhouse High Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

200 Portage Avenue Air Quality - 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			
Condo/Townhouse High Rise	801972	0.0000	0.0000	0.0000	0.0000
Parking Lot	5040	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse High Rise	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Annual

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

6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9011	7.7800e-003	0.6757	4.0000e-005		3.7400e-003	3.7400e-003		3.7400e-003	3.7400e-003	0.0000	1.1044	1.1044	1.0600e-003	0.0000	1.1309
Unmitigated	0.9011	7.7800e-003	0.6757	4.0000e-005		3.7400e-003	3.7400e-003		3.7400e-003	3.7400e-003	0.0000	1.1044	1.1044	1.0600e-003	0.0000	1.1309

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Annual

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1217					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7591					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	0.0203	7.7800e-003	0.6757	4.0000e-005		3.7400e-003	3.7400e-003		3.7400e-003	3.7400e-003	0.0000	1.1044	1.1044	1.0600e-003	0.0000	1.1309
Total	0.9011	7.7800e-003	0.6757	4.0000e-005		3.7400e-003	3.7400e-003		3.7400e-003	3.7400e-003	0.0000	1.1044	1.1044	1.0600e-003	0.0000	1.1309

200 Portage Avenue Air Quality - 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	0.1217					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7591					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	0.0203	7.7800e-003	0.6757	4.0000e-005		3.7400e-003	3.7400e-003		3.7400e-003	3.7400e-003	0.0000	1.1044	1.1044	1.0600e-003	0.0000	1.1309
Total	0.9011	7.7800e-003	0.6757	4.0000e-005		3.7400e-003	3.7400e-003		3.7400e-003	3.7400e-003	0.0000	1.1044	1.1044	1.0600e-003	0.0000	1.1309

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

200 Portage Avenue Air Quality - 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	1.6782	5.7800e-003	3.6500e-003	2.9101
Unmitigated	2.0977	7.2200e-003	4.5600e-003	3.6376

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse High Rise	5.92902 / 3.73786	2.0977	7.2200e-003	4.5600e-003	3.6376
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		2.0977	7.2200e-003	4.5600e-003	3.6376

200 Portage Avenue Air Quality - 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			
Condo/Townhouse High Rise	4.74321 / 3.73786	1.6782	5.7800e-003	3.6500e-003	2.9101
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		1.6782	5.7800e-003	3.6500e-003	2.9101

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	8.4972	0.5022	0.0000	21.0515
Unmitigated	8.4972	0.5022	0.0000	21.0515

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Annual

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse High Rise	41.86	8.4972	0.5022	0.0000	21.0515
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		8.4972	0.5022	0.0000	21.0515

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse High Rise	41.86	8.4972	0.5022	0.0000	21.0515
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		8.4972	0.5022	0.0000	21.0515

9.0 Operational Offroad

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Annual

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

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Summer

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

**200 Portage Avenue Air Quality
Bay Area AQMD Air District, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	36.00	Space	0.00	14,400.00	0
Condo/Townhouse High Rise	91.00	Dwelling Unit	4.86	194,128.00	260

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2024
Utility Company	City of Palo Alto Utilities Department				
CO2 Intensity (lb/MWhr)	0	CH4 Intensity (lb/MWhr)	0	N2O Intensity (lb/MWhr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CPAU electricity has been 100% carbon neutral since 2013; <https://www.cityofpaloalto.org/Departments/Utilities/Sustainability/Carbon-Neutral-Electricity-and-Natural-Gas>

Land Use - Residential square footage based on applicant provided data. Surface parking square footage based on CalEEMod defaults.

Construction Phase - Based on applicant provided construction schedule of 18 months and 6 days a week.

Off-road Equipment - Based on applicant provided construction equipment.

Off-road Equipment - Based on applicant provided construction equipment.

Off-road Equipment - Based on applicant provided construction equipment.

Off-road Equipment - Based on applicant provided construction equipment.

Off-road Equipment - Based on applicant provided construction equipment.

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Off-road Equipment - Based on applicant provided construction equipment.

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Summer

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

Trips and VMT - Hauling trip length based on applicant provided information of 16 miles to Zanker Recycling. Number of hauling trips based on applicant provided data.

Demolition - Based on applicant provided information.

Grading - Based on applicant provided information for 2,000 cubic yards of export and 1,500 cubic yards of import.

Architectural Coating - BAAQMD Regulation 8 Rule 3, used Non-Flat Coating and Traffic Marking Coatings

Vehicle Trips - Based on W-Trans trip generation rate (655 total daily trips / 91 dwelling units).

Woodstoves - BAAQMD Regulation 6 Rule 3, No woodburning devices

Area Coating - BAAQMD Regulation 8 Rule 3, used Non-Flat Coating and Traffic Marking Coatings

Energy Use - All-electric pursuant to the City's All-Electric Mandate and 2019 Energy Reach Code Ordinances:

https://www.cityofpaloalto.org/files/assets/public/development-services/green-building-files/2020-all-electric-mandate-summary_final03.31.2020.pdf?t=58748.46

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

Construction Off-road Equipment Mitigation - Pursuant to Palo Alto Comprehensive Plan Polich N-5.5 and Comprehensive Plan EIR Mitigation Measure AIR-2a, comply with BAAQMD Basic Construction Mitigation Measures. All equipment will be equipped with DPFs according to applicant provided information.

Area Mitigation -

Energy Mitigation - Pursuant to Section 150.1(b)14 of the 2019 Building Energy Efficiency Standards, residential uses under three stories must install PV solar panels that generate an amount of electricity equal to expected electricity usage.

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

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Parking	150.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	100
tblAreaCoating	Area_EF_Parking	150	100
tblAreaCoating	Area_EF_Residential_Exterior	150	100
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	150
tblAreaMitigation	UseLowVOCPaintParkingValue	100	150
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	150
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3

200 Portage Avenue Air Quality - 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	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	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstructionPhase	NumDays	18.00	160.00
tblConstructionPhase	NumDays	230.00	170.00
tblConstructionPhase	NumDays	20.00	50.00
tblConstructionPhase	NumDays	8.00	15.00

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Summer

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

tblConstructionPhase	NumDays	18.00	60.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	NT24E	3,054.10	6,209.10
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	T24E	70.89	1,602.68
tblEnergyUse	T24NG	5,226.68	0.00
tblFireplaces	FireplaceDayYear	11.14	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberGas	13.65	0.00
tblFireplaces	NumberNoFireplace	3.64	0.00
tblFireplaces	NumberWood	15.47	0.00
tblGrading	MaterialExported	0.00	2,000.00
tblGrading	MaterialImported	0.00	1,500.00
tblLandUse	LandUseSquareFeet	91,000.00	194,128.00
tblLandUse	LotAcreage	0.32	0.00
tblLandUse	LotAcreage	1.42	4.86
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Summer

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	16.00
tblTripsAndVMT	HaulingTripLength	20.00	16.00
tblTripsAndVMT	HaulingTripLength	20.00	16.00
tblTripsAndVMT	HaulingTripLength	20.00	16.00
tblTripsAndVMT	HaulingTripLength	20.00	16.00
tblTripsAndVMT	HaulingTripLength	20.00	16.00
tblTripsAndVMT	HaulingTripLength	20.00	16.00
tblTripsAndVMT	HaulingTripLength	20.00	16.00
tblTripsAndVMT	HaulingTripNumber	0.00	20.00
tblVehicleTrips	WD_TR	5.44	7.20

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Summer

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

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	1.82	0.00
tblWoodstoves	NumberNoncatalytic	1.82	0.00
tblWoodstoves	WoodstoveDayYear	14.12	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

200 Portage Avenue Air Quality - 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	2.1502	26.6656	20.4462	0.0439	8.1547	0.9687	9.1234	3.6263	0.8925	4.5189	0.0000	4,439.313 2	4,439.313 2	1.0461	0.2606	4,540.301 5
2023	17.5419	17.0929	24.7756	0.0425	0.7894	0.8614	1.6508	0.2112	0.8273	1.0385	0.0000	4,104.912 5	4,104.912 5	0.6197	0.0544	4,136.627 3
Maximum	17.5419	26.6656	24.7756	0.0439	8.1547	0.9687	9.1234	3.6263	0.8925	4.5189	0.0000	4,439.313 2	4,439.313 2	1.0461	0.2606	4,540.301 5

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	2.1502	26.6656	20.4462	0.0439	3.9531	0.1765	4.1296	1.7090	0.1637	1.8728	0.0000	4,439.313 2	4,439.313 2	1.0461	0.2606	4,540.301 5
2023	17.5419	17.0929	24.7756	0.0425	0.7894	0.1349	0.9243	0.2112	0.1295	0.3407	0.0000	4,104.912 5	4,104.912 5	0.6197	0.0544	4,136.627 3
Maximum	17.5419	26.6656	24.7756	0.0439	3.9531	0.1765	4.1296	1.7090	0.1637	1.8728	0.0000	4,439.313 2	4,439.313 2	1.0461	0.2606	4,540.301 5

200 Portage Avenue Air Quality - 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	0.00	0.00	0.00	0.00	46.98	82.98	53.09	49.96	82.95	60.17	0.00	0.00	0.00	0.00	0.00	0.00

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.0521	0.0865	7.5081	4.0000e-004		0.0416	0.0416		0.0416	0.0416	0.0000	13.5261	13.5261	0.0130	0.0000	13.8509
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	1.6705	1.5465	13.8451	0.0301	3.1850	0.0213	3.2063	0.8483	0.0198	0.8681		3,116.3114	3,116.3114	0.1834	0.1360	3,161.4184
Total	6.7226	1.6330	21.3533	0.0305	3.1850	0.0629	3.2480	0.8483	0.0615	0.9098	0.0000	3,129.8375	3,129.8375	0.1964	0.1360	3,175.2693

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	5.0521	0.0865	7.5081	4.0000e-004		0.0416	0.0416		0.0416	0.0416	0.0000	13.5261	13.5261	0.0130	0.0000	13.8509
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	1.6705	1.5465	13.8451	0.0301	3.1850	0.0213	3.2063	0.8483	0.0198	0.8681		3,116.3114	3,116.3114	0.1834	0.1360	3,161.4184
Total	6.7226	1.6330	21.3533	0.0305	3.1850	0.0629	3.2480	0.8483	0.0615	0.9098	0.0000	3,129.8375	3,129.8375	0.1964	0.1360	3,175.2693

200 Portage Avenue Air Quality - 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2022	7/28/2022	6	50	
2	Site Preparation	Site Preparation	7/29/2022	8/3/2022	6	5	
3	Grading	Grading	8/4/2022	8/20/2022	6	15	
4	Trenching	Trenching	8/22/2022	11/22/2022	6	80	
5	Building Construction	Building Construction	11/23/2022	6/8/2023	6	170	
6	Architectural Coating	Architectural Coating	4/18/2023	10/20/2023	6	160	
7	Paving	Paving	10/21/2023	12/29/2023	6	60	

Acres of Grading (Site Preparation Phase): 2.5

Acres of Grading (Grading Phase): 22.5

Acres of Paving: 0

Residential Indoor: 393,109; Residential Outdoor: 131,036; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 864 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	0.00	81	0.73
Demolition	Excavators	2	8.00	158	0.38
Demolition	Forklifts	1	8.00	89	0.20
Demolition	Rubber Tired Dozers	1	8.00	247	0.40

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Summer

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

Demolition	Skid Steer Loaders	6	8.00	65	0.37
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Excavators	2	8.00	158	0.38
Trenching	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	0	0.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Generator Sets	0	0.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	4	8.00	78	0.48
Paving	Cement and Mortar Mixers	0	0.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	0.00	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	10	25.00	0.00	364.00	10.80	7.30	16.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	16.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	438.00	10.80	7.30	16.00	LD_Mix	HDT_Mix	HHDT
Trenching	6	15.00	0.00	0.00	10.80	7.30	16.00	LD_Mix	HDT_Mix	HHDT

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Summer

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

Building Construction	7	72.00	12.00	20.00	10.80	7.30	16.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	4	14.00	0.00	0.00	10.80	7.30	16.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	10.80	7.30	16.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use DPF for Construction Equipment
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

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					1.5750	0.0000	1.5750	0.2385	0.0000	0.2385			0.0000			0.0000
Off-Road	1.7732	18.9741	19.5692	0.0328		0.8661	0.8661		0.7968	0.7968		3,177.4443	3,177.4443	1.0277		3,203.1355
Total	1.7732	18.9741	19.5692	0.0328	1.5750	0.8661	2.4411	0.2385	0.7968	1.0353		3,177.4443	3,177.4443	1.0277		3,203.1355

200 Portage Avenue Air Quality - 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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0289	0.9929	0.2308	3.7300e-003	0.1019	9.0100e-003	0.1109	0.0279	8.6200e-003	0.0366		406.3820	406.3820	0.0134	0.0644	425.8962
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	0.0727	0.0439	0.6463	1.8400e-003	0.2054	1.0700e-003	0.2064	0.0545	9.9000e-004	0.0555		187.0157	187.0157	5.1000e-003	4.6600e-003	188.5329
Total	0.1016	1.0368	0.8770	5.5700e-003	0.3073	0.0101	0.3173	0.0824	9.6100e-003	0.0920		593.3978	593.3978	0.0185	0.0690	614.4290

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					0.7087	0.0000	0.7087	0.1073	0.0000	0.1073			0.0000			0.0000
Off-Road	1.7732	18.9741	19.5692	0.0328		0.1299	0.1299		0.1195	0.1195	0.0000	3,177.4443	3,177.4443	1.0277		3,203.1355
Total	1.7732	18.9741	19.5692	0.0328	0.7087	0.1299	0.8387	0.1073	0.1195	0.2268	0.0000	3,177.4443	3,177.4443	1.0277		3,203.1355

200 Portage Avenue Air Quality - 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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0289	0.9929	0.2308	3.7300e-003	0.1019	9.0100e-003	0.1109	0.0279	8.6200e-003	0.0366		406.3820	406.3820	0.0134	0.0644	425.8962
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	0.0727	0.0439	0.6463	1.8400e-003	0.2054	1.0700e-003	0.2064	0.0545	9.9000e-004	0.0555		187.0157	187.0157	5.1000e-003	4.6600e-003	188.5329
Total	0.1016	1.0368	0.8770	5.5700e-003	0.3073	0.0101	0.3173	0.0824	9.6100e-003	0.0920		593.3978	593.3978	0.0185	0.0690	614.4290

3.3 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					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.1665	12.1449	8.0579	0.0148		0.5976	0.5976		0.5498	0.5498		1,429.5133	1,429.5133	0.4623		1,441.0716
Total	1.1665	12.1449	8.0579	0.0148	6.5523	0.5976	7.1499	3.3675	0.5498	3.9173		1,429.5133	1,429.5133	0.4623		1,441.0716

200 Portage Avenue Air Quality - 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 Site Preparation - 2022

Unmitigated Construction Off-Site

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

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					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000
Off-Road	1.1665	12.1449	8.0579	0.0148		0.0896	0.0896		0.0825	0.0825	0.0000	1,429.5133	1,429.5133	0.4623		1,441.0716
Total	1.1665	12.1449	8.0579	0.0148	2.9486	0.0896	3.0382	1.5154	0.0825	1.5978	0.0000	1,429.5133	1,429.5133	0.4623		1,441.0716

200 Portage Avenue Air Quality - 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 Site Preparation - 2022

Mitigated Construction Off-Site

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

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6392	0.0000	7.6392	3.4860	0.0000	3.4860			0.0000			0.0000
Off-Road	1.9965	22.6601	11.5014	0.0280		0.9320	0.9320		0.8575	0.8575		2,712.0711	2,712.0711	0.8771		2,733.9996
Total	1.9965	22.6601	11.5014	0.0280	7.6392	0.9320	8.5712	3.4860	0.8575	4.3434		2,712.0711	2,712.0711	0.8771		2,733.9996

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Summer

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

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1159	3.9827	0.9256	0.0150	0.4087	0.0361	0.4448	0.1120	0.0346	0.1466		1,629.9939	1,629.9939	0.0536	0.2582	1,708.2648
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
Total	0.1537	4.0055	1.2616	0.0159	0.5155	0.0367	0.5522	0.1404	0.0351	0.1754		1,727.2421	1,727.2421	0.0563	0.2606	1,806.3019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4377	0.0000	3.4377	1.5687	0.0000	1.5687			0.0000			0.0000
Off-Road	1.9965	22.6601	11.5014	0.0280		0.1398	0.1398		0.1286	0.1286	0.0000	2,712.0711	2,712.0711	0.8771		2,733.9996
Total	1.9965	22.6601	11.5014	0.0280	3.4377	0.1398	3.5775	1.5687	0.1286	1.6973	0.0000	2,712.0711	2,712.0711	0.8771		2,733.9996

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Summer

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

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1159	3.9827	0.9256	0.0150	0.4087	0.0361	0.4448	0.1120	0.0346	0.1466		1,629.9939	1,629.9939	0.0536	0.2582	1,708.2648
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
Total	0.1537	4.0055	1.2616	0.0159	0.5155	0.0367	0.5522	0.1404	0.0351	0.1754		1,727.2421	1,727.2421	0.0563	0.2606	1,806.3019

3.5 Trenching - 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	1.0637	10.2565	15.4621	0.0228		0.5323	0.5323		0.4897	0.4897		2,204.9863	2,204.9863	0.7131		2,222.8148
Total	1.0637	10.2565	15.4621	0.0228		0.5323	0.5323		0.4897	0.4897		2,204.9863	2,204.9863	0.7131		2,222.8148

200 Portage Avenue Air Quality - 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 Trenching - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0436	0.0263	0.3878	1.1000e-003	0.1232	6.4000e-004	0.1239	0.0327	5.9000e-004	0.0333		112.2095	112.2095	3.0600e-003	2.8000e-003	113.1197
Total	0.0436	0.0263	0.3878	1.1000e-003	0.1232	6.4000e-004	0.1239	0.0327	5.9000e-004	0.0333		112.2095	112.2095	3.0600e-003	2.8000e-003	113.1197

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0637	10.2565	15.4621	0.0228		0.0799	0.0799		0.0735	0.0735	0.0000	2,204.9863	2,204.9863	0.7131		2,222.8148
Total	1.0637	10.2565	15.4621	0.0228		0.0799	0.0799		0.0735	0.0735	0.0000	2,204.9863	2,204.9863	0.7131		2,222.8148

200 Portage Avenue Air Quality - 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 Trenching - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0436	0.0263	0.3878	1.1000e-003	0.1232	6.4000e-004	0.1239	0.0327	5.9000e-004	0.0333		112.2095	112.2095	3.0600e-003	2.8000e-003	113.1197
Total	0.0436	0.0263	0.3878	1.1000e-003	0.1232	6.4000e-004	0.1239	0.0327	5.9000e-004	0.0333		112.2095	112.2095	3.0600e-003	2.8000e-003	113.1197

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	1.1628	10.2753	12.9551	0.0181		0.5641	0.5641		0.5241	0.5241		1,708.4952	1,708.4952	0.5103		1,721.2523
Total	1.1628	10.2753	12.9551	0.0181		0.5641	0.5641		0.5241	0.5241		1,708.4952	1,708.4952	0.5103		1,721.2523

200 Portage Avenue Air Quality - 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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.7000e-004	0.0161	3.7300e-003	6.0000e-005	1.6500e-003	1.5000e-004	1.7900e-003	4.5000e-004	1.4000e-004	5.9000e-004		6.5673	6.5673	2.2000e-004	1.0400e-003	6.8826
Vendor	0.0259	0.6473	0.1923	2.5400e-003	0.0813	6.8900e-003	0.0882	0.0234	6.6000e-003	0.0300		272.3830	272.3830	5.9300e-003	0.0404	284.5586
Worker	0.2095	0.1263	1.8613	5.2900e-003	0.5915	3.0900e-003	0.5946	0.1569	2.8500e-003	0.1597		538.6053	538.6053	0.0147	0.0134	542.9746
Total	0.2358	0.7897	2.0573	7.8900e-003	0.6744	0.0101	0.6845	0.1807	9.5900e-003	0.1903		817.5556	817.5556	0.0208	0.0548	834.4158

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1628	10.2753	12.9551	0.0181		0.0846	0.0846		0.0786	0.0786	0.0000	1,708.4952	1,708.4952	0.5103		1,721.2523
Total	1.1628	10.2753	12.9551	0.0181		0.0846	0.0846		0.0786	0.0786	0.0000	1,708.4952	1,708.4952	0.5103		1,721.2523

200 Portage Avenue Air Quality - 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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.7000e-004	0.0161	3.7300e-003	6.0000e-005	1.6500e-003	1.5000e-004	1.7900e-003	4.5000e-004	1.4000e-004	5.9000e-004		6.5673	6.5673	2.2000e-004	1.0400e-003	6.8826
Vendor	0.0259	0.6473	0.1923	2.5400e-003	0.0813	6.8900e-003	0.0882	0.0234	6.6000e-003	0.0300		272.3830	272.3830	5.9300e-003	0.0404	284.5586
Worker	0.2095	0.1263	1.8613	5.2900e-003	0.5915	3.0900e-003	0.5946	0.1569	2.8500e-003	0.1597		538.6053	538.6053	0.0147	0.0134	542.9746
Total	0.2358	0.7897	2.0573	7.8900e-003	0.6744	0.0101	0.6845	0.1807	9.5900e-003	0.1903		817.5556	817.5556	0.0208	0.0548	834.4158

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	1.0650	9.4826	12.8928	0.0181		0.4770	0.4770		0.4432	0.4432		1,709.8454	1,709.8454	0.5085		1,722.5587
Total	1.0650	9.4826	12.8928	0.0181		0.4770	0.4770		0.4432	0.4432		1,709.8454	1,709.8454	0.5085		1,722.5587

200 Portage Avenue Air Quality - 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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.3000e-004	0.0127	3.3100e-003	6.0000e-005	1.6500e-003	1.0000e-004	1.7500e-003	4.5000e-004	1.0000e-004	5.5000e-004		6.2510	6.2510	2.1000e-004	9.9000e-004	6.5513
Vendor	0.0131	0.5147	0.1644	2.4300e-003	0.0813	3.1200e-003	0.0844	0.0234	2.9800e-003	0.0264		260.9532	260.9532	5.3400e-003	0.0386	272.5827
Worker	0.1948	0.1119	1.7212	5.1300e-003	0.5915	2.9300e-003	0.5944	0.1569	2.7000e-003	0.1596		524.7684	524.7684	0.0132	0.0125	528.8092
Total	0.2080	0.6393	1.8889	7.6200e-003	0.6744	6.1500e-003	0.6805	0.1807	5.7800e-003	0.1865		791.9726	791.9726	0.0188	0.0520	807.9433

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0650	9.4826	12.8928	0.0181		0.0716	0.0716		0.0665	0.0665	0.0000	1,709.8454	1,709.8454	0.5085		1,722.5587
Total	1.0650	9.4826	12.8928	0.0181		0.0716	0.0716		0.0665	0.0665	0.0000	1,709.8454	1,709.8454	0.5085		1,722.5587

200 Portage Avenue Air Quality - 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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.3000e-004	0.0127	3.3100e-003	6.0000e-005	1.6500e-003	1.0000e-004	1.7500e-003	4.5000e-004	1.0000e-004	5.5000e-004		6.2510	6.2510	2.1000e-004	9.9000e-004	6.5513
Vendor	0.0131	0.5147	0.1644	2.4300e-003	0.0813	3.1200e-003	0.0844	0.0234	2.9800e-003	0.0264		260.9532	260.9532	5.3400e-003	0.0386	272.5827
Worker	0.1948	0.1119	1.7212	5.1300e-003	0.5915	2.9300e-003	0.5944	0.1569	2.7000e-003	0.1596		524.7684	524.7684	0.0132	0.0125	528.8092
Total	0.2080	0.6393	1.8889	7.6200e-003	0.6744	6.1500e-003	0.6805	0.1807	5.7800e-003	0.1865		791.9726	791.9726	0.0188	0.0520	807.9433

3.7 Architectural Coating - 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					
Archit. Coating	15.2089					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0222	6.9493	9.6593	0.0159		0.3777	0.3777		0.3777	0.3777		1,501.0563	1,501.0563	0.0898		1,503.3014
Total	16.2310	6.9493	9.6593	0.0159		0.3777	0.3777		0.3777	0.3777		1,501.0563	1,501.0563	0.0898		1,503.3014

200 Portage Avenue Air Quality - 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 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0379	0.0218	0.3347	1.0000e-003	0.1150	5.7000e-004	0.1156	0.0305	5.3000e-004	0.0310		102.0383	102.0383	2.5700e-003	2.4200e-003	102.8240
Total	0.0379	0.0218	0.3347	1.0000e-003	0.1150	5.7000e-004	0.1156	0.0305	5.3000e-004	0.0310		102.0383	102.0383	2.5700e-003	2.4200e-003	102.8240

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	15.2089					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0222	6.9493	9.6593	0.0159		0.0567	0.0567		0.0567	0.0567	0.0000	1,501.0563	1,501.0563	0.0898		1,503.3014
Total	16.2310	6.9493	9.6593	0.0159		0.0567	0.0567		0.0567	0.0567	0.0000	1,501.0563	1,501.0563	0.0898		1,503.3014

200 Portage Avenue Air Quality - 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 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0379	0.0218	0.3347	1.0000e-003	0.1150	5.7000e-004	0.1156	0.0305	5.3000e-004	0.0310		102.0383	102.0383	2.5700e-003	2.4200e-003	102.8240
Total	0.0379	0.0218	0.3347	1.0000e-003	0.1150	5.7000e-004	0.1156	0.0305	5.3000e-004	0.0310		102.0383	102.0383	2.5700e-003	2.4200e-003	102.8240

3.8 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5164	5.0958	7.2921	0.0114		0.2551	0.2551		0.2347	0.2347		1,103.7921	1,103.7921	0.3570		1,112.7168
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5164	5.0958	7.2921	0.0114		0.2551	0.2551		0.2347	0.2347		1,103.7921	1,103.7921	0.3570		1,112.7168

200 Portage Avenue Air Quality - 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 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0216	0.0124	0.1912	5.7000e-004	0.0657	3.3000e-004	0.0660	0.0174	3.0000e-004	0.0177		58.3076	58.3076	1.4700e-003	1.3800e-003	58.7566
Total	0.0216	0.0124	0.1912	5.7000e-004	0.0657	3.3000e-004	0.0660	0.0174	3.0000e-004	0.0177		58.3076	58.3076	1.4700e-003	1.3800e-003	58.7566

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	0.5164	5.0958	7.2921	0.0114		0.0383	0.0383		0.0352	0.0352	0.0000	1,103.7921	1,103.7921	0.3570		1,112.7168
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5164	5.0958	7.2921	0.0114		0.0383	0.0383		0.0352	0.0352	0.0000	1,103.7921	1,103.7921	0.3570		1,112.7168

200 Portage Avenue Air Quality - 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 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0216	0.0124	0.1912	5.7000e-004	0.0657	3.3000e-004	0.0660	0.0174	3.0000e-004	0.0177		58.3076	58.3076	1.4700e-003	1.3800e-003	58.7566
Total	0.0216	0.0124	0.1912	5.7000e-004	0.0657	3.3000e-004	0.0660	0.0174	3.0000e-004	0.0177		58.3076	58.3076	1.4700e-003	1.3800e-003	58.7566

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

200 Portage Avenue Air Quality - 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	1.6705	1.5465	13.8451	0.0301	3.1850	0.0213	3.2063	0.8483	0.0198	0.8681		3,116.311 4	3,116.311 4	0.1834	0.1360	3,161.418 4
Unmitigated	1.6705	1.5465	13.8451	0.0301	3.1850	0.0213	3.2063	0.8483	0.0198	0.8681		3,116.311 4	3,116.311 4	0.1834	0.1360	3,161.418 4

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse High Rise	655.20	446.81	372.19	1,351,120	1,351,120
Parking Lot	0.00	0.00	0.00		
Total	655.20	446.81	372.19	1,351,120	1,351,120

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
Condo/Townhouse High Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Parking Lot	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
Condo/Townhouse High 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
Parking Lot	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

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Summer

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

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable Energy

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

200 Portage Avenue Air Quality - 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 - 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						
Condo/Townhouse High Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
Condo/Townhouse High Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Summer

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

6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.0521	0.0865	7.5081	4.0000e-004		0.0416	0.0416		0.0416	0.0416	0.0000	13.5261	13.5261	0.0130	0.0000	13.8509
Unmitigated	5.0521	0.0865	7.5081	4.0000e-004		0.0416	0.0416		0.0416	0.0416	0.0000	13.5261	13.5261	0.0130	0.0000	13.8509

200 Portage Avenue Air Quality - 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

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	0.6667					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.1594					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	0.2260	0.0865	7.5081	4.0000e-004		0.0416	0.0416		0.0416	0.0416		13.5261	13.5261	0.0130		13.8509
Total	5.0521	0.0865	7.5081	4.0000e-004		0.0416	0.0416		0.0416	0.0416	0.0000	13.5261	13.5261	0.0130	0.0000	13.8509

200 Portage Avenue Air Quality - 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	0.6667					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.1594					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	0.2260	0.0865	7.5081	4.0000e-004		0.0416	0.0416		0.0416	0.0416		13.5261	13.5261	0.0130		13.8509
Total	5.0521	0.0865	7.5081	4.0000e-004		0.0416	0.0416		0.0416	0.0416	0.0000	13.5261	13.5261	0.0130	0.0000	13.8509

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Winter

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

**200 Portage Avenue Air Quality
Bay Area AQMD Air District, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	36.00	Space	0.00	14,400.00	0
Condo/Townhouse High Rise	91.00	Dwelling Unit	4.86	194,128.00	260

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2024
Utility Company	City of Palo Alto Utilities Department				
CO2 Intensity (lb/MWhr)	0	CH4 Intensity (lb/MWhr)	0	N2O Intensity (lb/MWhr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CPAU electricity has been 100% carbon neutral since 2013; <https://www.cityofpaloalto.org/Departments/Utilities/Sustainability/Carbon-Neutral-Electricity-and-Natural-Gas>

Land Use - Residential square footage based on applicant provided data. Surface parking square footage based on CalEEMod defaults.

Construction Phase - Based on applicant provided construction schedule of 18 months and 6 days a week.

Off-road Equipment - Based on applicant provided construction equipment.

Off-road Equipment - Based on applicant provided construction equipment.

Off-road Equipment - Based on applicant provided construction equipment.

Off-road Equipment - Based on applicant provided construction equipment.

Off-road Equipment - Based on applicant provided construction equipment.

Off-road Equipment - Based on applicant provided construction equipment.

Off-road Equipment - Based on applicant provided construction equipment.

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Winter

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

Trips and VMT - Hauling trip length based on applicant provided information of 16 miles to Zanker Recycling. Number of hauling trips based on applicant provided data.

Demolition - Based on applicant provided information.

Grading - Based on applicant provided information for 2,000 cubic yards of export and 1,500 cubic yards of import.

Architectural Coating - BAAQMD Regulation 8 Rule 3, used Non-Flat Coating and Traffic Marking Coatings

Vehicle Trips - Based on W-Trans trip generation rate (655 total daily trips / 91 dwelling units).

Woodstoves - BAAQMD Regulation 6 Rule 3, No woodburning devices

Area Coating - BAAQMD Regulation 8 Rule 3, used Non-Flat Coating and Traffic Marking Coatings

Energy Use - All-electric pursuant to the City's All-Electric Mandate and 2019 Energy Reach Code Ordinances:

https://www.cityofpaloalto.org/files/assets/public/development-services/green-building-files/2020-all-electric-mandate-summary_final03.31.2020.pdf?t=58748.46

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

Construction Off-road Equipment Mitigation - Pursuant to Palo Alto Comprehensive Plan Polich N-5.5 and Comprehensive Plan EIR Mitigation Measure AIR-2a, comply with BAAQMD Basic Construction Mitigation Measures. All equipment will be equipped with DPFs according to applicant provided information.

Area Mitigation -

Energy Mitigation - Pursuant to Section 150.1(b)14 of the 2019 Building Energy Efficiency Standards, residential uses under three stories must install PV solar panels that generate an amount of electricity equal to expected electricity usage.

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

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Parking	150.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	100
tblAreaCoating	Area_EF_Parking	150	100
tblAreaCoating	Area_EF_Residential_Exterior	150	100
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	150
tblAreaMitigation	UseLowVOCPaintParkingValue	100	150
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	150
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3

200 Portage Avenue Air Quality - 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	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	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstructionPhase	NumDays	18.00	160.00
tblConstructionPhase	NumDays	230.00	170.00
tblConstructionPhase	NumDays	20.00	50.00
tblConstructionPhase	NumDays	8.00	15.00

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Winter

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

tblConstructionPhase	NumDays	18.00	60.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	NT24E	3,054.10	6,209.10
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	T24E	70.89	1,602.68
tblEnergyUse	T24NG	5,226.68	0.00
tblFireplaces	FireplaceDayYear	11.14	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberGas	13.65	0.00
tblFireplaces	NumberNoFireplace	3.64	0.00
tblFireplaces	NumberWood	15.47	0.00
tblGrading	MaterialExported	0.00	2,000.00
tblGrading	MaterialImported	0.00	1,500.00
tblLandUse	LandUseSquareFeet	91,000.00	194,128.00
tblLandUse	LotAcreage	0.32	0.00
tblLandUse	LotAcreage	1.42	4.86
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Winter

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	16.00
tblTripsAndVMT	HaulingTripLength	20.00	16.00
tblTripsAndVMT	HaulingTripLength	20.00	16.00
tblTripsAndVMT	HaulingTripLength	20.00	16.00
tblTripsAndVMT	HaulingTripLength	20.00	16.00
tblTripsAndVMT	HaulingTripLength	20.00	16.00
tblTripsAndVMT	HaulingTripLength	20.00	16.00
tblTripsAndVMT	HaulingTripLength	20.00	16.00
tblTripsAndVMT	HaulingTripNumber	0.00	20.00
tblVehicleTrips	WD_TR	5.44	7.20

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Winter

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

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	1.82	0.00
tblWoodstoves	NumberNoncatalytic	1.82	0.00
tblWoodstoves	WoodstoveDayYear	14.12	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

200 Portage Avenue Air Quality - 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	2.1479	26.8906	20.4207	0.0439	8.1547	0.9688	9.1235	3.6263	0.8926	4.5189	0.0000	4,433.0593	4,433.0593	1.0468	0.2611	4,534.1970
2023	17.5474	17.1549	24.6944	0.0421	0.7894	0.8614	1.6508	0.2112	0.8273	1.0385	0.0000	4,060.8638	4,060.8638	0.6218	0.0568	4,093.3309
Maximum	17.5474	26.8906	24.6944	0.0439	8.1547	0.9688	9.1235	3.6263	0.8926	4.5189	0.0000	4,433.0593	4,433.0593	1.0468	0.2611	4,534.1970

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	2.1479	26.8906	20.4207	0.0439	3.9531	0.1766	4.1297	1.7090	0.1638	1.8728	0.0000	4,433.0593	4,433.0593	1.0468	0.2611	4,534.1970
2023	17.5474	17.1549	24.6944	0.0421	0.7894	0.1349	0.9243	0.2112	0.1295	0.3407	0.0000	4,060.8638	4,060.8638	0.6218	0.0568	4,093.3308
Maximum	17.5474	26.8906	24.6944	0.0439	3.9531	0.1766	4.1297	1.7090	0.1638	1.8728	0.0000	4,433.0593	4,433.0593	1.0468	0.2611	4,534.1970

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	46.98	82.98	53.09	49.96	82.95	60.17	0.00	0.00	0.00	0.00	0.00	0.00

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.0521	0.0865	7.5081	4.0000e-004		0.0416	0.0416		0.0416	0.0416	0.0000	13.5261	13.5261	0.0130	0.0000	13.8509
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	1.5033	1.7801	14.8424	0.0285	3.1850	0.0213	3.2064	0.8483	0.0199	0.8682		2,942.7189	2,942.7189	0.2083	0.1491	2,992.3657
Total	6.5554	1.8666	22.3505	0.0289	3.1850	0.0629	3.2480	0.8483	0.0615	0.9098	0.0000	2,956.2450	2,956.2450	0.2212	0.1491	3,006.2166

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	5.0521	0.0865	7.5081	4.0000e-004		0.0416	0.0416		0.0416	0.0416	0.0000	13.5261	13.5261	0.0130	0.0000	13.8509
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	1.5033	1.7801	14.8424	0.0285	3.1850	0.0213	3.2064	0.8483	0.0199	0.8682		2,942.7189	2,942.7189	0.2083	0.1491	2,992.3657
Total	6.5554	1.8666	22.3505	0.0289	3.1850	0.0629	3.2480	0.8483	0.0615	0.9098	0.0000	2,956.2450	2,956.2450	0.2212	0.1491	3,006.2166

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Winter

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2022	7/28/2022	6	50	
2	Site Preparation	Site Preparation	7/29/2022	8/3/2022	6	5	
3	Grading	Grading	8/4/2022	8/20/2022	6	15	
4	Trenching	Trenching	8/22/2022	11/22/2022	6	80	
5	Building Construction	Building Construction	11/23/2022	6/8/2023	6	170	
6	Architectural Coating	Architectural Coating	4/18/2023	10/20/2023	6	160	
7	Paving	Paving	10/21/2023	12/29/2023	6	60	

Acres of Grading (Site Preparation Phase): 2.5

Acres of Grading (Grading Phase): 22.5

Acres of Paving: 0

Residential Indoor: 393,109; Residential Outdoor: 131,036; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 864 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	0.00	81	0.73
Demolition	Excavators	2	8.00	158	0.38
Demolition	Forklifts	1	8.00	89	0.20
Demolition	Rubber Tired Dozers	1	8.00	247	0.40

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Winter

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

Demolition	Skid Steer Loaders	6	8.00	65	0.37
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Excavators	2	8.00	158	0.38
Trenching	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	0	0.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Generator Sets	0	0.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	4	8.00	78	0.48
Paving	Cement and Mortar Mixers	0	0.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	0.00	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	10	25.00	0.00	364.00	10.80	7.30	16.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	16.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	438.00	10.80	7.30	16.00	LD_Mix	HDT_Mix	HHDT
Trenching	6	15.00	0.00	0.00	10.80	7.30	16.00	LD_Mix	HDT_Mix	HHDT

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Winter

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

Building Construction	7	72.00	12.00	20.00	10.80	7.30	16.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	4	14.00	0.00	0.00	10.80	7.30	16.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	10.80	7.30	16.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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					1.5750	0.0000	1.5750	0.2385	0.0000	0.2385			0.0000			0.0000
Off-Road	1.7732	18.9741	19.5692	0.0328		0.8661	0.8661		0.7968	0.7968		3,177.444 3	3,177.444 3	1.0277		3,203.135 5
Total	1.7732	18.9741	19.5692	0.0328	1.5750	0.8661	2.4411	0.2385	0.7968	1.0353		3,177.444 3	3,177.444 3	1.0277		3,203.135 5

200 Portage Avenue Air Quality - 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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0281	1.0477	0.2351	3.7300e-003	0.1019	9.0300e-003	0.1109	0.0279	8.6400e-003	0.0366		406.5457	406.5457	0.0133	0.0644	426.0676
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	0.0743	0.0541	0.6164	1.7100e-003	0.2054	1.0700e-003	0.2064	0.0545	9.9000e-004	0.0555		173.7264	173.7264	5.7700e-003	5.3700e-003	175.4711
Total	0.1024	1.1018	0.8516	5.4400e-003	0.3073	0.0101	0.3174	0.0824	9.6300e-003	0.0920		580.2721	580.2721	0.0191	0.0698	601.5387

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					0.7087	0.0000	0.7087	0.1073	0.0000	0.1073			0.0000			0.0000
Off-Road	1.7732	18.9741	19.5692	0.0328		0.1299	0.1299		0.1195	0.1195	0.0000	3,177.4443	3,177.4443	1.0277		3,203.1355
Total	1.7732	18.9741	19.5692	0.0328	0.7087	0.1299	0.8387	0.1073	0.1195	0.2268	0.0000	3,177.4443	3,177.4443	1.0277		3,203.1355

200 Portage Avenue Air Quality - 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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0281	1.0477	0.2351	3.7300e-003	0.1019	9.0300e-003	0.1109	0.0279	8.6400e-003	0.0366		406.5457	406.5457	0.0133	0.0644	426.0676
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	0.0743	0.0541	0.6164	1.7100e-003	0.2054	1.0700e-003	0.2064	0.0545	9.9000e-004	0.0555		173.7264	173.7264	5.7700e-003	5.3700e-003	175.4711
Total	0.1024	1.1018	0.8516	5.4400e-003	0.3073	0.0101	0.3174	0.0824	9.6300e-003	0.0920		580.2721	580.2721	0.0191	0.0698	601.5387

3.3 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					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.1665	12.1449	8.0579	0.0148		0.5976	0.5976		0.5498	0.5498		1,429.5133	1,429.5133	0.4623		1,441.0716
Total	1.1665	12.1449	8.0579	0.0148	6.5523	0.5976	7.1499	3.3675	0.5498	3.9173		1,429.5133	1,429.5133	0.4623		1,441.0716

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Winter

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

3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

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

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					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000
Off-Road	1.1665	12.1449	8.0579	0.0148		0.0896	0.0896		0.0825	0.0825	0.0000	1,429.5133	1,429.5133	0.4623		1,441.0716
Total	1.1665	12.1449	8.0579	0.0148	2.9486	0.0896	3.0382	1.5154	0.0825	1.5978	0.0000	1,429.5133	1,429.5133	0.4623		1,441.0716

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Winter

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

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

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

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6392	0.0000	7.6392	3.4860	0.0000	3.4860			0.0000			0.0000
Off-Road	1.9965	22.6601	11.5014	0.0280		0.9320	0.9320		0.8575	0.8575		2,712.0711	2,712.0711	0.8771		2,733.9996
Total	1.9965	22.6601	11.5014	0.0280	7.6392	0.9320	8.5712	3.4860	0.8575	4.3434		2,712.0711	2,712.0711	0.8771		2,733.9996

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Winter

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

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1128	4.2024	0.9431	0.0150	0.4087	0.0362	0.4449	0.1120	0.0346	0.1467		1,630.6505	1,630.6505	0.0535	0.2583	1,708.9524
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
Total	0.1514	4.2305	1.2636	0.0159	0.5155	0.0368	0.5522	0.1404	0.0352	0.1755		1,720.9882	1,720.9882	0.0565	0.2611	1,800.1974

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4377	0.0000	3.4377	1.5687	0.0000	1.5687			0.0000			0.0000
Off-Road	1.9965	22.6601	11.5014	0.0280		0.1398	0.1398		0.1286	0.1286	0.0000	2,712.0711	2,712.0711	0.8771		2,733.9996
Total	1.9965	22.6601	11.5014	0.0280	3.4377	0.1398	3.5775	1.5687	0.1286	1.6973	0.0000	2,712.0711	2,712.0711	0.8771		2,733.9996

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Winter

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

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1128	4.2024	0.9431	0.0150	0.4087	0.0362	0.4449	0.1120	0.0346	0.1467		1,630.6505	1,630.6505	0.0535	0.2583	1,708.9524
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
Total	0.1514	4.2305	1.2636	0.0159	0.5155	0.0368	0.5522	0.1404	0.0352	0.1755		1,720.9882	1,720.9882	0.0565	0.2611	1,800.1974

3.5 Trenching - 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	1.0637	10.2565	15.4621	0.0228		0.5323	0.5323		0.4897	0.4897		2,204.9863	2,204.9863	0.7131		2,222.8148
Total	1.0637	10.2565	15.4621	0.0228		0.5323	0.5323		0.4897	0.4897		2,204.9863	2,204.9863	0.7131		2,222.8148

200 Portage Avenue Air Quality - 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 Trenching - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0446	0.0325	0.3699	1.0200e-003	0.1232	6.4000e-004	0.1239	0.0327	5.9000e-004	0.0333		104.2358	104.2358	3.4600e-003	3.2200e-003	105.2827
Total	0.0446	0.0325	0.3699	1.0200e-003	0.1232	6.4000e-004	0.1239	0.0327	5.9000e-004	0.0333		104.2358	104.2358	3.4600e-003	3.2200e-003	105.2827

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0637	10.2565	15.4621	0.0228		0.0799	0.0799		0.0735	0.0735	0.0000	2,204.9863	2,204.9863	0.7131		2,222.8148
Total	1.0637	10.2565	15.4621	0.0228		0.0799	0.0799		0.0735	0.0735	0.0000	2,204.9863	2,204.9863	0.7131		2,222.8148

200 Portage Avenue Air Quality - 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 Trenching - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0446	0.0325	0.3699	1.0200e-003	0.1232	6.4000e-004	0.1239	0.0327	5.9000e-004	0.0333		104.2358	104.2358	3.4600e-003	3.2200e-003	105.2827
Total	0.0446	0.0325	0.3699	1.0200e-003	0.1232	6.4000e-004	0.1239	0.0327	5.9000e-004	0.0333		104.2358	104.2358	3.4600e-003	3.2200e-003	105.2827

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	1.1628	10.2753	12.9551	0.0181		0.5641	0.5641		0.5241	0.5241		1,708.4952	1,708.4952	0.5103		1,721.2523
Total	1.1628	10.2753	12.9551	0.0181		0.5641	0.5641		0.5241	0.5241		1,708.4952	1,708.4952	0.5103		1,721.2523

200 Portage Avenue Air Quality - 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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.5000e-004	0.0169	3.8000e-003	6.0000e-005	1.6500e-003	1.5000e-004	1.7900e-003	4.5000e-004	1.4000e-004	5.9000e-004		6.5699	6.5699	2.2000e-004	1.0400e-003	6.8854
Vendor	0.0256	0.6827	0.1990	2.5400e-003	0.0813	6.9100e-003	0.0882	0.0234	6.6100e-003	0.0300		272.4933	272.4933	5.9000e-003	0.0404	284.6865
Worker	0.2140	0.1559	1.7754	4.9200e-003	0.5915	3.0900e-003	0.5946	0.1569	2.8500e-003	0.1597		500.3319	500.3319	0.0166	0.0155	505.3568
Total	0.2400	0.8555	1.9781	7.5200e-003	0.6744	0.0102	0.6845	0.1807	9.6000e-003	0.1903		779.3951	779.3951	0.0227	0.0569	796.9287

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1628	10.2753	12.9551	0.0181		0.0846	0.0846		0.0786	0.0786	0.0000	1,708.4952	1,708.4952	0.5103		1,721.2523
Total	1.1628	10.2753	12.9551	0.0181		0.0846	0.0846		0.0786	0.0786	0.0000	1,708.4952	1,708.4952	0.5103		1,721.2523

200 Portage Avenue Air Quality - 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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.5000e-004	0.0169	3.8000e-003	6.0000e-005	1.6500e-003	1.5000e-004	1.7900e-003	4.5000e-004	1.4000e-004	5.9000e-004		6.5699	6.5699	2.2000e-004	1.0400e-003	6.8854
Vendor	0.0256	0.6827	0.1990	2.5400e-003	0.0813	6.9100e-003	0.0882	0.0234	6.6100e-003	0.0300		272.4933	272.4933	5.9000e-003	0.0404	284.6865
Worker	0.2140	0.1559	1.7754	4.9200e-003	0.5915	3.0900e-003	0.5946	0.1569	2.8500e-003	0.1597		500.3319	500.3319	0.0166	0.0155	505.3568
Total	0.2400	0.8555	1.9781	7.5200e-003	0.6744	0.0102	0.6845	0.1807	9.6000e-003	0.1903		779.3951	779.3951	0.0227	0.0569	796.9287

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	1.0650	9.4826	12.8928	0.0181		0.4770	0.4770		0.4432	0.4432		1,709.8454	1,709.8454	0.5085		1,722.5587
Total	1.0650	9.4826	12.8928	0.0181		0.4770	0.4770		0.4432	0.4432		1,709.8454	1,709.8454	0.5085		1,722.5587

200 Portage Avenue Air Quality - 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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.1000e-004	0.0134	3.3600e-003	6.0000e-005	1.6500e-003	1.0000e-004	1.7500e-003	4.5000e-004	1.0000e-004	5.5000e-004		6.2583	6.2583	2.0000e-004	9.9000e-004	6.5590
Vendor	0.0126	0.5446	0.1700	2.4400e-003	0.0813	3.1300e-003	0.0844	0.0234	2.9900e-003	0.0264		261.3265	261.3265	5.3100e-003	0.0387	272.9844
Worker	0.1997	0.1380	1.6485	4.7600e-003	0.5915	2.9300e-003	0.5944	0.1569	2.7000e-003	0.1596		487.5718	487.5718	0.0150	0.0143	492.2184
Total	0.2126	0.6961	1.8218	7.2600e-003	0.6744	6.1600e-003	0.6806	0.1807	5.7900e-003	0.1865		755.1566	755.1566	0.0206	0.0540	771.7617

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0650	9.4826	12.8928	0.0181		0.0716	0.0716		0.0665	0.0665	0.0000	1,709.8454	1,709.8454	0.5085		1,722.5587
Total	1.0650	9.4826	12.8928	0.0181		0.0716	0.0716		0.0665	0.0665	0.0000	1,709.8454	1,709.8454	0.5085		1,722.5587

200 Portage Avenue Air Quality - 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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.1000e-004	0.0134	3.3600e-003	6.0000e-005	1.6500e-003	1.0000e-004	1.7500e-003	4.5000e-004	1.0000e-004	5.5000e-004		6.2583	6.2583	2.0000e-004	9.9000e-004	6.5590
Vendor	0.0126	0.5446	0.1700	2.4400e-003	0.0813	3.1300e-003	0.0844	0.0234	2.9900e-003	0.0264		261.3265	261.3265	5.3100e-003	0.0387	272.9844
Worker	0.1997	0.1380	1.6485	4.7600e-003	0.5915	2.9300e-003	0.5944	0.1569	2.7000e-003	0.1596		487.5718	487.5718	0.0150	0.0143	492.2184
Total	0.2126	0.6961	1.8218	7.2600e-003	0.6744	6.1600e-003	0.6806	0.1807	5.7900e-003	0.1865		755.1566	755.1566	0.0206	0.0540	771.7617

3.7 Architectural Coating - 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					
Archit. Coating	15.2089					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0222	6.9493	9.6593	0.0159		0.3777	0.3777		0.3777	0.3777		1,501.0563	1,501.0563	0.0898		1,503.3014
Total	16.2310	6.9493	9.6593	0.0159		0.3777	0.3777		0.3777	0.3777		1,501.0563	1,501.0563	0.0898		1,503.3014

200 Portage Avenue Air Quality - 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 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0388	0.0268	0.3205	9.3000e-004	0.1150	5.7000e-004	0.1156	0.0305	5.3000e-004	0.0310		94.8056	94.8056	2.9200e-003	2.7900e-003	95.7091
Total	0.0388	0.0268	0.3205	9.3000e-004	0.1150	5.7000e-004	0.1156	0.0305	5.3000e-004	0.0310		94.8056	94.8056	2.9200e-003	2.7900e-003	95.7091

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	15.2089					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0222	6.9493	9.6593	0.0159		0.0567	0.0567		0.0567	0.0567	0.0000	1,501.0563	1,501.0563	0.0898		1,503.3014
Total	16.2310	6.9493	9.6593	0.0159		0.0567	0.0567		0.0567	0.0567	0.0000	1,501.0563	1,501.0563	0.0898		1,503.3014

200 Portage Avenue Air Quality - 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 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0388	0.0268	0.3205	9.3000e-004	0.1150	5.7000e-004	0.1156	0.0305	5.3000e-004	0.0310		94.8056	94.8056	2.9200e-003	2.7900e-003	95.7091
Total	0.0388	0.0268	0.3205	9.3000e-004	0.1150	5.7000e-004	0.1156	0.0305	5.3000e-004	0.0310		94.8056	94.8056	2.9200e-003	2.7900e-003	95.7091

3.8 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5164	5.0958	7.2921	0.0114		0.2551	0.2551		0.2347	0.2347		1,103.7921	1,103.7921	0.3570		1,112.7168
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5164	5.0958	7.2921	0.0114		0.2551	0.2551		0.2347	0.2347		1,103.7921	1,103.7921	0.3570		1,112.7168

200 Portage Avenue Air Quality - 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 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0222	0.0153	0.1832	5.3000e-004	0.0657	3.3000e-004	0.0660	0.0174	3.0000e-004	0.0177		54.1746	54.1746	1.6700e-003	1.5900e-003	54.6909
Total	0.0222	0.0153	0.1832	5.3000e-004	0.0657	3.3000e-004	0.0660	0.0174	3.0000e-004	0.0177		54.1746	54.1746	1.6700e-003	1.5900e-003	54.6909

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	0.5164	5.0958	7.2921	0.0114		0.0383	0.0383		0.0352	0.0352	0.0000	1,103.7921	1,103.7921	0.3570		1,112.7168
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5164	5.0958	7.2921	0.0114		0.0383	0.0383		0.0352	0.0352	0.0000	1,103.7921	1,103.7921	0.3570		1,112.7168

200 Portage Avenue Air Quality - 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 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0222	0.0153	0.1832	5.3000e-004	0.0657	3.3000e-004	0.0660	0.0174	3.0000e-004	0.0177		54.1746	54.1746	1.6700e-003	1.5900e-003	54.6909
Total	0.0222	0.0153	0.1832	5.3000e-004	0.0657	3.3000e-004	0.0660	0.0174	3.0000e-004	0.0177		54.1746	54.1746	1.6700e-003	1.5900e-003	54.6909

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

200 Portage Avenue Air Quality - 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	1.5033	1.7801	14.8424	0.0285	3.1850	0.0213	3.2064	0.8483	0.0199	0.8682		2,942.7189	2,942.7189	0.2083	0.1491	2,992.3657
Unmitigated	1.5033	1.7801	14.8424	0.0285	3.1850	0.0213	3.2064	0.8483	0.0199	0.8682		2,942.7189	2,942.7189	0.2083	0.1491	2,992.3657

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse High Rise	655.20	446.81	372.19	1,351,120	1,351,120
Parking Lot	0.00	0.00	0.00		
Total	655.20	446.81	372.19	1,351,120	1,351,120

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
Condo/Townhouse High Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Parking Lot	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
Condo/Townhouse High 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
Parking Lot	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

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Winter

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

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable Energy

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

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Winter

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse High Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse High Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Winter

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

6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.0521	0.0865	7.5081	4.0000e-004		0.0416	0.0416		0.0416	0.0416	0.0000	13.5261	13.5261	0.0130	0.0000	13.8509
Unmitigated	5.0521	0.0865	7.5081	4.0000e-004		0.0416	0.0416		0.0416	0.0416	0.0000	13.5261	13.5261	0.0130	0.0000	13.8509

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Winter

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6667					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.1594					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	0.2260	0.0865	7.5081	4.0000e-004		0.0416	0.0416		0.0416	0.0416		13.5261	13.5261	0.0130		13.8509
Total	5.0521	0.0865	7.5081	4.0000e-004		0.0416	0.0416		0.0416	0.0416	0.0000	13.5261	13.5261	0.0130	0.0000	13.8509

200 Portage Avenue Air Quality - 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	0.6667					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.1594					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	0.2260	0.0865	7.5081	4.0000e-004		0.0416	0.0416		0.0416	0.0416		13.5261	13.5261	0.0130		13.8509
Total	5.0521	0.0865	7.5081	4.0000e-004		0.0416	0.0416		0.0416	0.0416	0.0000	13.5261	13.5261	0.0130	0.0000	13.8509

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

200 Portage Avenue Air Quality - Bay Area AQMD Air District, Winter

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
