

Monterey Gateway - Bay Area AQMD Air District, Annual

**Monterey Gateway
Bay Area AQMD Air District, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	101.00	Dwelling Unit	5.67	181,800.00	289
Regional Shopping Center	3.50	1000sqft	0.08	3,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	257.69	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - updating co2 intensity factor

Land Use - update acreage

Construction Phase - updating days

Grading - updating acreage

Demolition -

Vehicle Trips - updating trip rates per traffic impact analysis

Mobile Land Use Mitigation -

Water Mitigation -

Energy Mitigation -

Area Mitigation -

Energy Use - title 24 adjustments

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	520.00
tblConstructionPhase	NumDays	230.00	520.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	50.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	PhaseEndDate	9/21/2021	11/29/2022
tblConstructionPhase	PhaseEndDate	7/27/2021	11/15/2022
tblConstructionPhase	PhaseEndDate	7/28/2020	7/14/2020
tblConstructionPhase	PhaseEndDate	9/8/2020	10/20/2020
tblConstructionPhase	PhaseEndDate	8/24/2021	11/17/2020
tblConstructionPhase	PhaseStartDate	8/25/2021	12/2/2020
tblConstructionPhase	PhaseStartDate	9/9/2020	11/18/2020
tblConstructionPhase	PhaseStartDate	7/28/2021	10/21/2020
tblConstructionPhase	PhaseStartDate	7/29/2020	7/15/2020

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tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24NG	25,910.09	12,177.74
tblEnergyUse	T24NG	2.37	1.66
tblGrading	AcresOfGrading	25.00	5.67
tblGrading	MaterialExported	0.00	20.00
tblGrading	MaterialImported	0.00	14,960.00
tblLandUse	LotAcreage	32.79	5.67
tblProjectCharacteristics	CO2IntensityFactor	641.35	257.69
tblTripsAndVMT	HaulingTripNumber	3.00	2.00
tblVehicleTrips	ST_TR	9.91	9.24
tblVehicleTrips	ST_TR	49.97	31.43
tblVehicleTrips	SU_TR	8.62	9.24
tblVehicleTrips	SU_TR	25.24	31.43
tblVehicleTrips	WD_TR	9.52	9.24
tblVehicleTrips	WD_TR	42.70	31.43

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.2364	2.0141	1.2573	2.9100e-003	0.3641	0.0898	0.4538	0.1903	0.0832	0.2735	0.0000	262.0345	262.0345	0.0566	0.0000	263.4495
2021	0.9503	2.6362	2.5665	4.7100e-003	0.0548	0.1380	0.1928	0.0148	0.1305	0.1453	0.0000	411.1914	411.1914	0.0779	0.0000	413.1391
2022	0.8276	2.0723	2.2064	4.1000e-003	0.0479	0.1020	0.1499	0.0129	0.0965	0.1095	0.0000	357.6875	357.6875	0.0672	0.0000	359.3668
Maximum	0.9503	2.6362	2.5665	4.7100e-003	0.3641	0.1380	0.4538	0.1903	0.1305	0.2735	0.0000	411.1914	411.1914	0.0779	0.0000	413.1391

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					
2020	0.2364	2.0141	1.2573	2.9100e-003	0.3641	0.0898	0.4538	0.1903	0.0832	0.2735	0.0000	262.0343	262.0343	0.0566	0.0000	263.4493
2021	0.9503	2.6362	2.5665	4.7100e-003	0.0548	0.1380	0.1928	0.0148	0.1305	0.1453	0.0000	411.1910	411.1910	0.0779	0.0000	413.1387
2022	0.8276	2.0723	2.2064	4.1000e-003	0.0479	0.1020	0.1499	0.0129	0.0965	0.1095	0.0000	357.6871	357.6871	0.0672	0.0000	359.3665
Maximum	0.9503	2.6362	2.5665	4.7100e-003	0.3641	0.1380	0.4538	0.1903	0.1305	0.2735	0.0000	411.1910	411.1910	0.0779	0.0000	413.1387

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2020	9-30-2020	1.3628	1.3628
2	10-1-2020	12-31-2020	0.8760	0.8760
3	1-1-2021	3-31-2021	0.8841	0.8841
4	4-1-2021	6-30-2021	0.8926	0.8926
5	7-1-2021	9-30-2021	0.9025	0.9025
6	10-1-2021	12-31-2021	0.9038	0.9038
7	1-1-2022	3-31-2022	0.8125	0.8125
8	4-1-2022	6-30-2022	0.8204	0.8204
9	7-1-2022	9-30-2022	0.8294	0.8294
		Highest	1.3628	1.3628

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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	1.4714	0.0217	1.6158	1.8200e-003		0.1290	0.1290		0.1290	0.1290	12.8382	4.3773	17.2155	0.0254	7.3000e-004	18.0700
Energy	8.3800e-003	0.0716	0.0306	4.6000e-004		5.7900e-003	5.7900e-003		5.7900e-003	5.7900e-003	0.0000	180.4584	180.4584	0.0126	3.7900e-003	181.9022
Mobile	0.2351	1.0375	2.6446	9.7900e-003	0.8737	8.0300e-003	0.8818	0.2345	7.4900e-003	0.2420	0.0000	899.2382	899.2382	0.0314	0.0000	900.0229
Waste						0.0000	0.0000		0.0000	0.0000	25.3861	0.0000	25.3861	1.5003	0.0000	62.8929
Water						0.0000	0.0000		0.0000	0.0000	2.1700	6.0882	8.2582	0.2236	5.4000e-003	15.4577
Total	1.7149	1.1309	4.2910	0.0121	0.8737	0.1428	1.0165	0.2345	0.1423	0.3768	40.3942	1,090.1621	1,130.5563	1.7932	9.9200e-003	1,178.3457

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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	0.8761	8.6500e-003	0.7501	4.0000e-005		4.1500e-003	4.1500e-003		4.1500e-003	4.1500e-003	0.0000	1.2251	1.2251	1.1800e-003	0.0000	1.2545
Energy	8.3800e-003	0.0716	0.0306	4.6000e-004		5.7900e-003	5.7900e-003		5.7900e-003	5.7900e-003	0.0000	180.4348	180.4348	0.0126	3.7900e-003	181.8784
Mobile	0.2255	0.9787	2.4176	8.7200e-003	0.7706	7.2000e-003	0.7778	0.2068	6.7200e-003	0.2136	0.0000	801.3036	801.3036	0.0287	0.0000	802.0217
Waste						0.0000	0.0000		0.0000	0.0000	25.3861	0.0000	25.3861	1.5003	0.0000	62.8929
Water						0.0000	0.0000		0.0000	0.0000	1.7360	5.1155	6.8515	0.1789	4.3300e-003	12.6135
Total	1.1099	1.0590	3.1983	9.2200e-003	0.7706	0.0171	0.7878	0.2068	0.0167	0.2235	27.1220	988.0790	1,015.2010	1.7216	8.1200e-003	1,060.6609

	ROG	NOx	CO	SO2	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	35.28	6.35	25.46	23.61	11.80	88.00	22.50	11.80	88.29	40.68	32.86	9.36	10.20	3.99	18.15	9.99

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/1/2020	7/14/2020	5	10	
2	Site Preparation	Site Preparation	7/15/2020	8/11/2020	5	20	
3	Grading	Grading	8/12/2020	10/20/2020	5	50	
4	Building Construction	Building Construction	11/18/2020	11/15/2022	5	520	
5	Paving	Paving	10/21/2020	11/17/2020	5	20	
6	Architectural Coating	Architectural Coating	12/2/2020	11/29/2022	5	520	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 5.665

Acres of Paving: 0

Residential Indoor: 368,145; Residential Outdoor: 122,715; Non-Residential Indoor: 5,250; Non-Residential Outdoor: 1,750; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	5.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	2.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	1,870.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	37.00	11.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

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					5.3000e-004	0.0000	5.3000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0166	0.1660	0.1088	1.9000e-004		8.2900e-003	8.2900e-003		7.7100e-003	7.7100e-003	0.0000	16.9993	16.9993	4.8000e-003	0.0000	17.1193
Total	0.0166	0.1660	0.1088	1.9000e-004	5.3000e-004	8.2900e-003	8.8200e-003	8.0000e-005	7.7100e-003	7.7900e-003	0.0000	16.9993	16.9993	4.8000e-003	0.0000	17.1193

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3.2 Demolition - 2020

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	2.0000e-005	7.3000e-004	1.5000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1916	0.1916	1.0000e-005	0.0000	0.1918
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.8000e-004	1.8400e-003	1.0000e-005	5.9000e-004	0.0000	6.0000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5192	0.5192	1.0000e-005	0.0000	0.5195
Total	2.7000e-004	9.1000e-004	1.9900e-003	1.0000e-005	6.3000e-004	0.0000	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.7108	0.7108	2.0000e-005	0.0000	0.7114

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3000e-004	0.0000	5.3000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0166	0.1660	0.1088	1.9000e-004		8.2900e-003	8.2900e-003		7.7100e-003	7.7100e-003	0.0000	16.9993	16.9993	4.8000e-003	0.0000	17.1193
Total	0.0166	0.1660	0.1088	1.9000e-004	5.3000e-004	8.2900e-003	8.8200e-003	8.0000e-005	7.7100e-003	7.7900e-003	0.0000	16.9993	16.9993	4.8000e-003	0.0000	17.1193

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3.2 Demolition - 2020

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	2.0000e-005	7.3000e-004	1.5000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1916	0.1916	1.0000e-005	0.0000	0.1918
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.8000e-004	1.8400e-003	1.0000e-005	5.9000e-004	0.0000	6.0000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5192	0.5192	1.0000e-005	0.0000	0.5195
Total	2.7000e-004	9.1000e-004	1.9900e-003	1.0000e-005	6.3000e-004	0.0000	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.7108	0.7108	2.0000e-005	0.0000	0.7114

3.3 Site Preparation - 2020

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					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0408	0.4242	0.2151	3.8000e-004		0.0220	0.0220		0.0202	0.0202	0.0000	33.4307	33.4307	0.0108	0.0000	33.7010
Total	0.0408	0.4242	0.2151	3.8000e-004	0.1807	0.0220	0.2026	0.0993	0.0202	0.1195	0.0000	33.4307	33.4307	0.0108	0.0000	33.7010

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3.3 Site Preparation - 2020

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	2.9000e-004	6.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0766	0.0766	0.0000	0.0000	0.0767
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	6.0000e-004	4.3000e-004	4.4200e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2461	1.2461	3.0000e-005	0.0000	1.2469
Total	6.1000e-004	7.2000e-004	4.4800e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	4.0000e-004	0.0000	1.3228	1.3228	3.0000e-005	0.0000	1.3236

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					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0408	0.4242	0.2151	3.8000e-004		0.0220	0.0220		0.0202	0.0202	0.0000	33.4306	33.4306	0.0108	0.0000	33.7009
Total	0.0408	0.4242	0.2151	3.8000e-004	0.1807	0.0220	0.2026	0.0993	0.0202	0.1195	0.0000	33.4306	33.4306	0.0108	0.0000	33.7009

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3.3 Site Preparation - 2020

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	2.9000e-004	6.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0766	0.0766	0.0000	0.0000	0.0767
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	6.0000e-004	4.3000e-004	4.4200e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2461	1.2461	3.0000e-005	0.0000	1.2469
Total	6.1000e-004	7.2000e-004	4.4800e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	4.0000e-004	0.0000	1.3228	1.3228	3.0000e-005	0.0000	1.3236

3.4 Grading - 2020

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					0.1544	0.0000	0.1544	0.0832	0.0000	0.0832	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0607	0.6597	0.4013	7.4000e-004		0.0318	0.0318		0.0293	0.0293	0.0000	65.1469	65.1469	0.0211	0.0000	65.6736
Total	0.0607	0.6597	0.4013	7.4000e-004	0.1544	0.0318	0.1862	0.0832	0.0293	0.1125	0.0000	65.1469	65.1469	0.0211	0.0000	65.6736

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3.4 Grading - 2020

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	7.8000e-003	0.2734	0.0549	7.4000e-004	0.0158	8.8000e-004	0.0167	4.3400e-003	8.4000e-004	5.1900e-003	0.0000	71.6559	71.6559	3.6900e-003	0.0000	71.7481
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	1.2400e-003	8.9000e-004	9.2100e-003	3.0000e-005	2.9600e-003	2.0000e-005	2.9800e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.5961	2.5961	6.0000e-005	0.0000	2.5976
Total	9.0400e-003	0.2743	0.0642	7.7000e-004	0.0188	9.0000e-004	0.0197	5.1300e-003	8.6000e-004	6.0000e-003	0.0000	74.2519	74.2519	3.7500e-003	0.0000	74.3457

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					0.1544	0.0000	0.1544	0.0832	0.0000	0.0832	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0607	0.6597	0.4013	7.4000e-004		0.0318	0.0318		0.0293	0.0293	0.0000	65.1468	65.1468	0.0211	0.0000	65.6735
Total	0.0607	0.6597	0.4013	7.4000e-004	0.1544	0.0318	0.1862	0.0832	0.0293	0.1125	0.0000	65.1468	65.1468	0.0211	0.0000	65.6735

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3.4 Grading - 2020

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	7.8000e-003	0.2734	0.0549	7.4000e-004	0.0158	8.8000e-004	0.0167	4.3400e-003	8.4000e-004	5.1900e-003	0.0000	71.6559	71.6559	3.6900e-003	0.0000	71.7481
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	1.2400e-003	8.9000e-004	9.2100e-003	3.0000e-005	2.9600e-003	2.0000e-005	2.9800e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.5961	2.5961	6.0000e-005	0.0000	2.5976
Total	9.0400e-003	0.2743	0.0642	7.7000e-004	0.0188	9.0000e-004	0.0197	5.1300e-003	8.6000e-004	6.0000e-003	0.0000	74.2519	74.2519	3.7500e-003	0.0000	74.3457

3.5 Building Construction - 2020

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	0.0339	0.3070	0.2696	4.3000e-004		0.0179	0.0179		0.0168	0.0168	0.0000	37.0576	37.0576	9.0400e-003	0.0000	37.2836
Total	0.0339	0.3070	0.2696	4.3000e-004		0.0179	0.0179		0.0168	0.0168	0.0000	37.0576	37.0576	9.0400e-003	0.0000	37.2836

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3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.8000e-004	0.0203	5.1100e-003	5.0000e-005	1.1500e-003	1.0000e-004	1.2500e-003	3.3000e-004	9.0000e-005	4.3000e-004	0.0000	4.6080	4.6080	2.4000e-004	0.0000	4.6140
Worker	1.9600e-003	1.4000e-003	0.0145	5.0000e-005	4.6800e-003	3.0000e-005	4.7100e-003	1.2400e-003	3.0000e-005	1.2700e-003	0.0000	4.0983	4.0983	1.0000e-004	0.0000	4.1008
Total	2.6400e-003	0.0217	0.0197	1.0000e-004	5.8300e-003	1.3000e-004	5.9600e-003	1.5700e-003	1.2000e-004	1.7000e-003	0.0000	8.7063	8.7063	3.4000e-004	0.0000	8.7147

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	0.0339	0.3070	0.2696	4.3000e-004		0.0179	0.0179		0.0168	0.0168	0.0000	37.0576	37.0576	9.0400e-003	0.0000	37.2836
Total	0.0339	0.3070	0.2696	4.3000e-004		0.0179	0.0179		0.0168	0.0168	0.0000	37.0576	37.0576	9.0400e-003	0.0000	37.2836

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3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.8000e-004	0.0203	5.1100e-003	5.0000e-005	1.1500e-003	1.0000e-004	1.2500e-003	3.3000e-004	9.0000e-005	4.3000e-004	0.0000	4.6080	4.6080	2.4000e-004	0.0000	4.6140
Worker	1.9600e-003	1.4000e-003	0.0145	5.0000e-005	4.6800e-003	3.0000e-005	4.7100e-003	1.2400e-003	3.0000e-005	1.2700e-003	0.0000	4.0983	4.0983	1.0000e-004	0.0000	4.1008
Total	2.6400e-003	0.0217	0.0197	1.0000e-004	5.8300e-003	1.3000e-004	5.9600e-003	1.5700e-003	1.2000e-004	1.7000e-003	0.0000	8.7063	8.7063	3.4000e-004	0.0000	8.7147

3.5 Building Construction - 2021

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	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2867	302.2867	0.0729	0.0000	304.1099
Total	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2867	302.2867	0.0729	0.0000	304.1099

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3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.5600e-003	0.1499	0.0374	3.9000e-004	9.4100e-003	3.3000e-004	9.7400e-003	2.7200e-003	3.1000e-004	3.0300e-003	0.0000	37.2288	37.2288	1.8300e-003	0.0000	37.2746
Worker	0.0148	0.0102	0.1083	3.6000e-004	0.0382	2.5000e-004	0.0384	0.0102	2.3000e-004	0.0104	0.0000	32.2539	32.2539	7.2000e-004	0.0000	32.2720
Total	0.0194	0.1602	0.1457	7.5000e-004	0.0476	5.8000e-004	0.0481	0.0129	5.4000e-004	0.0134	0.0000	69.4827	69.4827	2.5500e-003	0.0000	69.5466

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	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2863	302.2863	0.0729	0.0000	304.1095
Total	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2863	302.2863	0.0729	0.0000	304.1095

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3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.5600e-003	0.1499	0.0374	3.9000e-004	9.4100e-003	3.3000e-004	9.7400e-003	2.7200e-003	3.1000e-004	3.0300e-003	0.0000	37.2288	37.2288	1.8300e-003	0.0000	37.2746
Worker	0.0148	0.0102	0.1083	3.6000e-004	0.0382	2.5000e-004	0.0384	0.0102	2.3000e-004	0.0104	0.0000	32.2539	32.2539	7.2000e-004	0.0000	32.2720
Total	0.0194	0.1602	0.1457	7.5000e-004	0.0476	5.8000e-004	0.0481	0.0129	5.4000e-004	0.0134	0.0000	69.4827	69.4827	2.5500e-003	0.0000	69.5466

3.5 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	0.1937	1.7724	1.8573	3.0600e-003		0.0918	0.0918		0.0864	0.0864	0.0000	263.0082	263.0082	0.0630	0.0000	264.5834
Total	0.1937	1.7724	1.8573	3.0600e-003		0.0918	0.0918		0.0864	0.0864	0.0000	263.0082	263.0082	0.0630	0.0000	264.5834

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3.5 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.7000e-003	0.1235	0.0306	3.3000e-004	8.1900e-003	2.5000e-004	8.4300e-003	2.3700e-003	2.4000e-004	2.6000e-003	0.0000	32.0616	32.0616	1.5200e-003	0.0000	32.0996
Worker	0.0120	7.9700e-003	0.0866	3.0000e-004	0.0332	2.1000e-004	0.0334	8.8300e-003	2.0000e-004	9.0200e-003	0.0000	27.0238	27.0238	5.6000e-004	0.0000	27.0379
Total	0.0157	0.1315	0.1172	6.3000e-004	0.0414	4.6000e-004	0.0418	0.0112	4.4000e-004	0.0116	0.0000	59.0854	59.0854	2.0800e-003	0.0000	59.1375

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	0.1937	1.7724	1.8572	3.0600e-003		0.0918	0.0918		0.0864	0.0864	0.0000	263.0078	263.0078	0.0630	0.0000	264.5831
Total	0.1937	1.7724	1.8572	3.0600e-003		0.0918	0.0918		0.0864	0.0864	0.0000	263.0078	263.0078	0.0630	0.0000	264.5831

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3.5 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.7000e-003	0.1235	0.0306	3.3000e-004	8.1900e-003	2.5000e-004	8.4300e-003	2.3700e-003	2.4000e-004	2.6000e-003	0.0000	32.0616	32.0616	1.5200e-003	0.0000	32.0996
Worker	0.0120	7.9700e-003	0.0866	3.0000e-004	0.0332	2.1000e-004	0.0334	8.8300e-003	2.0000e-004	9.0200e-003	0.0000	27.0238	27.0238	5.6000e-004	0.0000	27.0379
Total	0.0157	0.1315	0.1172	6.3000e-004	0.0414	4.6000e-004	0.0418	0.0112	4.4000e-004	0.0116	0.0000	59.0854	59.0854	2.0800e-003	0.0000	59.1375

3.6 Paving - 2020

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	0.0136	0.1407	0.1465	2.3000e-004		7.5300e-003	7.5300e-003		6.9300e-003	6.9300e-003	0.0000	20.0282	20.0282	6.4800e-003	0.0000	20.1902
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0136	0.1407	0.1465	2.3000e-004		7.5300e-003	7.5300e-003		6.9300e-003	6.9300e-003	0.0000	20.0282	20.0282	6.4800e-003	0.0000	20.1902

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3.6 Paving - 2020

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-004	3.6000e-004	3.6800e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0384	1.0384	3.0000e-005	0.0000	1.0391
Total	5.0000e-004	3.6000e-004	3.6800e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0384	1.0384	3.0000e-005	0.0000	1.0391

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	0.0136	0.1407	0.1465	2.3000e-004		7.5300e-003	7.5300e-003		6.9300e-003	6.9300e-003	0.0000	20.0282	20.0282	6.4800e-003	0.0000	20.1901
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0136	0.1407	0.1465	2.3000e-004		7.5300e-003	7.5300e-003		6.9300e-003	6.9300e-003	0.0000	20.0282	20.0282	6.4800e-003	0.0000	20.1901

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3.6 Paving - 2020

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-004	3.6000e-004	3.6800e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0384	1.0384	3.0000e-005	0.0000	1.0391
Total	5.0000e-004	3.6000e-004	3.6800e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0384	1.0384	3.0000e-005	0.0000	1.0391

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0549					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6600e-003	0.0185	0.0202	3.0000e-005		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	2.8086	2.8086	2.2000e-004	0.0000	2.8140
Total	0.0576	0.0185	0.0202	3.0000e-005		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	2.8086	2.8086	2.2000e-004	0.0000	2.8140

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3.7 Architectural Coating - 2020

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	2.6000e-004	1.8000e-004	1.8900e-003	1.0000e-005	6.1000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.5331	0.5331	1.0000e-005	0.0000	0.5334
Total	2.6000e-004	1.8000e-004	1.8900e-003	1.0000e-005	6.1000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.5331	0.5331	1.0000e-005	0.0000	0.5334

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0549					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6600e-003	0.0185	0.0202	3.0000e-005		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	2.8086	2.8086	2.2000e-004	0.0000	2.8140
Total	0.0576	0.0185	0.0202	3.0000e-005		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	2.8086	2.8086	2.2000e-004	0.0000	2.8140

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3.7 Architectural Coating - 2020

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	2.6000e-004	1.8000e-004	1.8900e-003	1.0000e-005	6.1000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.5331	0.5331	1.0000e-005	0.0000	0.5334
Total	2.6000e-004	1.8000e-004	1.8900e-003	1.0000e-005	6.1000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.5331	0.5331	1.0000e-005	0.0000	0.5334

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6515					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0286	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3771
Total	0.6801	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3771

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3.7 Architectural Coating - 2021

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	2.8000e-003	1.9300e-003	0.0205	7.0000e-005	7.2200e-003	5.0000e-005	7.2700e-003	1.9200e-003	4.0000e-005	1.9600e-003	0.0000	6.1021	6.1021	1.4000e-004	0.0000	6.1055
Total	2.8000e-003	1.9300e-003	0.0205	7.0000e-005	7.2200e-003	5.0000e-005	7.2700e-003	1.9200e-003	4.0000e-005	1.9600e-003	0.0000	6.1021	6.1021	1.4000e-004	0.0000	6.1055

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6515					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0286	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3771
Total	0.6801	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3771

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3.7 Architectural Coating - 2021

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	2.8000e-003	1.9300e-003	0.0205	7.0000e-005	7.2200e-003	5.0000e-005	7.2700e-003	1.9200e-003	4.0000e-005	1.9600e-003	0.0000	6.1021	6.1021	1.4000e-004	0.0000	6.1055
Total	2.8000e-003	1.9300e-003	0.0205	7.0000e-005	7.2200e-003	5.0000e-005	7.2700e-003	1.9200e-003	4.0000e-005	1.9600e-003	0.0000	6.1021	6.1021	1.4000e-004	0.0000	6.1055

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5916					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0242	0.1669	0.2149	3.5000e-004		9.6800e-003	9.6800e-003		9.6800e-003	9.6800e-003	0.0000	30.2561	30.2561	1.9700e-003	0.0000	30.3053
Total	0.6158	0.1669	0.2149	3.5000e-004		9.6800e-003	9.6800e-003		9.6800e-003	9.6800e-003	0.0000	30.2561	30.2561	1.9700e-003	0.0000	30.3053

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3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	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	2.3700e-003	1.5700e-003	0.0171	6.0000e-005	6.5500e-003	4.0000e-005	6.6000e-003	1.7400e-003	4.0000e-005	1.7800e-003	0.0000	5.3378	5.3378	1.1000e-004	0.0000	5.3406
Total	2.3700e-003	1.5700e-003	0.0171	6.0000e-005	6.5500e-003	4.0000e-005	6.6000e-003	1.7400e-003	4.0000e-005	1.7800e-003	0.0000	5.3378	5.3378	1.1000e-004	0.0000	5.3406

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5916					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0242	0.1669	0.2149	3.5000e-004		9.6800e-003	9.6800e-003		9.6800e-003	9.6800e-003	0.0000	30.2560	30.2560	1.9700e-003	0.0000	30.3053
Total	0.6158	0.1669	0.2149	3.5000e-004		9.6800e-003	9.6800e-003		9.6800e-003	9.6800e-003	0.0000	30.2560	30.2560	1.9700e-003	0.0000	30.3053

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3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	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	2.3700e-003	1.5700e-003	0.0171	6.0000e-005	6.5500e-003	4.0000e-005	6.6000e-003	1.7400e-003	4.0000e-005	1.7800e-003	0.0000	5.3378	5.3378	1.1000e-004	0.0000	5.3406
Total	2.3700e-003	1.5700e-003	0.0171	6.0000e-005	6.5500e-003	4.0000e-005	6.6000e-003	1.7400e-003	4.0000e-005	1.7800e-003	0.0000	5.3378	5.3378	1.1000e-004	0.0000	5.3406

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2255	0.9787	2.4176	8.7200e-003	0.7706	7.2000e-003	0.7778	0.2068	6.7200e-003	0.2136	0.0000	801.3036	801.3036	0.0287	0.0000	802.0217
Unmitigated	0.2351	1.0375	2.6446	9.7900e-003	0.8737	8.0300e-003	0.8818	0.2345	7.4900e-003	0.2420	0.0000	899.2382	899.2382	0.0314	0.0000	900.0229

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	933.04	933.04	933.04	2,154,951	1,900,667
Regional Shopping Center	110.00	110.00	110.00	192,866	170,108
Total	1,043.04	1,043.04	1,043.04	2,347,818	2,070,775

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
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.578638	0.038775	0.193686	0.110919	0.015677	0.005341	0.018293	0.026358	0.002641	0.002200	0.005832	0.000891	0.000749
Regional Shopping Center	0.578638	0.038775	0.193686	0.110919	0.015677	0.005341	0.018293	0.026358	0.002641	0.002200	0.005832	0.000891	0.000749

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	97.4852	97.4852	0.0110	2.2700e-003	98.4359
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	97.5088	97.5088	0.0110	2.2700e-003	98.4597
NaturalGas Mitigated	8.3800e-003	0.0716	0.0306	4.6000e-004		5.7900e-003	5.7900e-003		5.7900e-003	5.7900e-003	0.0000	82.9496	82.9496	1.5900e-003	1.5200e-003	83.4425
NaturalGas Unmitigated	8.3800e-003	0.0716	0.0306	4.6000e-004		5.7900e-003	5.7900e-003		5.7900e-003	5.7900e-003	0.0000	82.9496	82.9496	1.5900e-003	1.5200e-003	83.4425

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Regional Shopping Center	5810	3.0000e-005	2.8000e-004	2.4000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.3100	0.3100	1.0000e-005	1.0000e-005	0.3119
Single Family Housing	1.54861e+006	8.3500e-003	0.0714	0.0304	4.6000e-004		5.7700e-003	5.7700e-003		5.7700e-003	5.7700e-003	0.0000	82.6396	82.6396	1.5800e-003	1.5200e-003	83.1306
Total		8.3800e-003	0.0716	0.0306	4.6000e-004		5.7900e-003	5.7900e-003		5.7900e-003	5.7900e-003	0.0000	82.9496	82.9496	1.5900e-003	1.5300e-003	83.4425

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Regional Shopping Center	5810	3.0000e-005	2.8000e-004	2.4000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.3100	0.3100	1.0000e-005	1.0000e-005	0.3119
Single Family Housing	1.54861e+006	8.3500e-003	0.0714	0.0304	4.6000e-004		5.7700e-003	5.7700e-003		5.7700e-003	5.7700e-003	0.0000	82.6396	82.6396	1.5800e-003	1.5200e-003	83.1306
Total		8.3800e-003	0.0716	0.0306	4.6000e-004		5.7900e-003	5.7900e-003		5.7900e-003	5.7900e-003	0.0000	82.9496	82.9496	1.5900e-003	1.5300e-003	83.4425

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Regional Shopping Center	34510	4.0337	4.5000e-004	9.0000e-005	4.0731
Single Family Housing	799710	93.4751	0.0105	2.1800e-003	94.3866
Total		97.5088	0.0110	2.2700e-003	98.4597

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Regional Shopping Center	34409	4.0219	4.5000e-004	9.0000e-005	4.0612
Single Family Housing	799609	93.4633	0.0105	2.1800e-003	94.3747
Total		97.4852	0.0110	2.2700e-003	98.4359

6.0 Area Detail

6.1 Mitigation Measures Area

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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	0.8761	8.6500e-003	0.7501	4.0000e-005		4.1500e-003	4.1500e-003		4.1500e-003	4.1500e-003	0.0000	1.2251	1.2251	1.1800e-003	0.0000	1.2545
Unmitigated	1.4714	0.0217	1.6158	1.8200e-003		0.1290	0.1290		0.1290	0.1290	12.8382	4.3773	17.2155	0.0254	7.3000e-004	18.0700

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	0.1298					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7237					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.5953	0.0131	0.8656	1.7800e-003		0.1248	0.1248		0.1248	0.1248	12.8382	3.1522	15.9904	0.0243	7.3000e-004	16.8155
Landscaping	0.0226	8.6500e-003	0.7501	4.0000e-005		4.1500e-003	4.1500e-003		4.1500e-003	4.1500e-003	0.0000	1.2251	1.2251	1.1800e-003	0.0000	1.2545
Total	1.4714	0.0217	1.6158	1.8200e-003		0.1290	0.1290		0.1290	0.1290	12.8382	4.3773	17.2155	0.0254	7.3000e-004	18.0700

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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	0.1298					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7237					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	0.0226	8.6500e-003	0.7501	4.0000e-005		4.1500e-003	4.1500e-003		4.1500e-003	4.1500e-003	0.0000	1.2251	1.2251	1.1800e-003	0.0000	1.2545
Total	0.8761	8.6500e-003	0.7501	4.0000e-005		4.1500e-003	4.1500e-003		4.1500e-003	4.1500e-003	0.0000	1.2251	1.2251	1.1800e-003	0.0000	1.2545

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	6.8515	0.1789	4.3300e-003	12.6135
Unmitigated	8.2582	0.2236	5.4000e-003	15.4577

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Regional Shopping Center	0.259254 / 0.158898	0.3112	8.4700e-003	2.0000e-004	0.5841
Single Family Housing	6.58056 / 4.14861	7.9469	0.2151	5.2000e-003	14.8736
Total		8.2582	0.2236	5.4000e-003	15.4577

Monterey Gateway - Bay Area AQMD Air District, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Regional Shopping Center	0.207403 / 0.149205	0.2580	6.7800e-003	1.6000e-004	0.4764
Single Family Housing	5.26445 / 3.89555	6.5935	0.1721	4.1700e-003	12.1371
Total		6.8515	0.1789	4.3300e-003	12.6135

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	25.3861	1.5003	0.0000	62.8929
Unmitigated	25.3861	1.5003	0.0000	62.8929

Monterey Gateway - Bay Area AQMD Air District, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Regional Shopping Center	3.68	0.7470	0.0442	0.0000	1.8507
Single Family Housing	121.38	24.6390	1.4561	0.0000	61.0422
Total		25.3861	1.5003	0.0000	62.8929

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Regional Shopping Center	3.68	0.7470	0.0442	0.0000	1.8507
Single Family Housing	121.38	24.6390	1.4561	0.0000	61.0422
Total		25.3861	1.5003	0.0000	62.8929

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Monterey Gateway - Bay Area AQMD Air District, Annual

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
----------------	--------

11.0 Vegetation

Monterey Gateway - Bay Area AQMD Air District, Summer

Monterey Gateway
Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	101.00	Dwelling Unit	5.67	181,800.00	289
Regional Shopping Center	3.50	1000sqft	0.08	3,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	257.69	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Monterey Gateway - Bay Area AQMD Air District, Summer

Project Characteristics - updating co2 intensity factor

Land Use - update acreage

Construction Phase - updating days

Grading - updating acreage

Demolition -

Vehicle Trips - updating trip rates per traffic impact analysis

Mobile Land Use Mitigation -

Water Mitigation -

Energy Mitigation -

Area Mitigation -

Energy Use - title 24 adjustments

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	520.00
tblConstructionPhase	NumDays	230.00	520.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	50.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	PhaseEndDate	9/21/2021	11/29/2022
tblConstructionPhase	PhaseEndDate	7/27/2021	11/15/2022
tblConstructionPhase	PhaseEndDate	7/28/2020	7/14/2020
tblConstructionPhase	PhaseEndDate	9/8/2020	10/20/2020
tblConstructionPhase	PhaseEndDate	8/24/2021	11/17/2020
tblConstructionPhase	PhaseStartDate	8/25/2021	12/2/2020
tblConstructionPhase	PhaseStartDate	9/9/2020	11/18/2020
tblConstructionPhase	PhaseStartDate	7/28/2021	10/21/2020
tblConstructionPhase	PhaseStartDate	7/29/2020	7/15/2020

Monterey Gateway - Bay Area AQMD Air District, Summer

tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24NG	25,910.09	12,177.74
tblEnergyUse	T24NG	2.37	1.66
tblGrading	AcresOfGrading	25.00	5.67
tblGrading	MaterialExported	0.00	20.00
tblGrading	MaterialImported	0.00	14,960.00
tblLandUse	LotAcreage	32.79	5.67
tblProjectCharacteristics	CO2IntensityFactor	641.35	257.69
tblTripsAndVMT	HaulingTripNumber	3.00	2.00
tblVehicleTrips	ST_TR	9.91	9.24
tblVehicleTrips	ST_TR	49.97	31.43
tblVehicleTrips	SU_TR	8.62	9.24
tblVehicleTrips	SU_TR	25.24	31.43
tblVehicleTrips	WD_TR	9.52	9.24
tblVehicleTrips	WD_TR	42.70	31.43

2.0 Emissions Summary

Monterey Gateway - Bay Area AQMD Air District, Summer

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					
2020	7.5490	42.4839	22.1841	0.0606	18.2160	2.1985	20.4144	9.9704	2.0226	11.9930	0.0000	6,177.5321	6,177.5321	1.1958	0.0000	6,204.8112
2021	7.2878	20.1784	19.7416	0.0364	0.4359	1.0575	1.4934	0.1173	0.9998	1.1171	0.0000	3,501.1285	3,501.1285	0.6580	0.0000	3,517.5795
2022	7.0666	18.1756	19.4250	0.0362	0.4359	0.8951	1.3310	0.1173	0.8470	0.9643	0.0000	3,486.2146	3,486.2146	0.6515	0.0000	3,502.5028
Maximum	7.5490	42.4839	22.1841	0.0606	18.2160	2.1985	20.4144	9.9704	2.0226	11.9930	0.0000	6,177.5321	6,177.5321	1.1958	0.0000	6,204.8112

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					
2020	7.5490	42.4839	22.1841	0.0606	18.2160	2.1985	20.4144	9.9704	2.0226	11.9930	0.0000	6,177.5321	6,177.5321	1.1958	0.0000	6,204.8112
2021	7.2878	20.1784	19.7416	0.0364	0.4359	1.0575	1.4934	0.1173	0.9998	1.1171	0.0000	3,501.1285	3,501.1285	0.6580	0.0000	3,517.5795
2022	7.0666	18.1756	19.4250	0.0362	0.4359	0.8951	1.3310	0.1173	0.8470	0.9643	0.0000	3,486.2146	3,486.2146	0.6515	0.0000	3,502.5028
Maximum	7.5490	42.4839	22.1841	0.0606	18.2160	2.1985	20.4144	9.9704	2.0226	11.9930	0.0000	6,177.5321	6,177.5321	1.1958	0.0000	6,204.8112

Monterey Gateway - Bay Area AQMD Air District, Summer

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	109.5959	2.1114	143.7040	0.2554		19.1880	19.1880		19.1880	19.1880	2,058.212 2	638.8281	2,697.040 3	2.5593	0.1452	2,804.303 4
Energy	0.0459	0.3926	0.1677	2.5100e-003		0.0317	0.0317		0.0317	0.0317		501.0207	501.0207	9.6000e-003	9.1900e-003	503.9980
Mobile	1.4877	5.5294	15.1084	0.0569	4.9876	0.0441	5.0317	1.3343	0.0411	1.3755		5,760.388 0	5,760.388 0	0.1912		5,765.167 1
Total	111.1295	8.0334	158.9801	0.3148	4.9876	19.2638	24.2514	1.3343	19.2609	20.5952	2,058.212 2	6,900.236 7	8,958.448 9	2.7601	0.1544	9,073.468 4

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.9278	0.0961	8.3348	4.4000e-004		0.0461	0.0461		0.0461	0.0461	0.0000	15.0046	15.0046	0.0144	0.0000	15.3653
Energy	0.0459	0.3926	0.1677	2.5100e-003		0.0317	0.0317		0.0317	0.0317		501.0207	501.0207	9.6000e-003	9.1900e-003	503.9980
Mobile	1.4335	5.2265	13.7009	0.0507	4.3991	0.0395	4.4386	1.1769	0.0369	1.2138		5,132.153 7	5,132.153 7	0.1743		5,136.5112
Total	6.4072	5.7151	22.2034	0.0536	4.3991	0.1174	4.5165	1.1769	0.1148	1.2916	0.0000	5,648.179 0	5,648.179 0	0.1983	9.1900e-003	5,655.874 6

Monterey Gateway - Bay Area AQMD Air District, Summer

	ROG	NOx	CO	SO2	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	94.23	28.86	86.03	82.96	11.80	99.39	81.38	11.80	99.40	93.73	100.00	18.15	36.95	92.81	94.05	37.67

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	7/1/2020	7/14/2020	5	10	
2	Site Preparation	Site Preparation	7/15/2020	8/11/2020	5	20	
3	Grading	Grading	8/12/2020	10/20/2020	5	50	
4	Building Construction	Building Construction	11/18/2020	11/15/2022	5	520	
5	Paving	Paving	10/21/2020	11/17/2020	5	20	
6	Architectural Coating	Architectural Coating	12/2/2020	11/29/2022	5	520	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 5.665

Acres of Paving: 0

Residential Indoor: 368,145; Residential Outdoor: 122,715; Non-Residential Indoor: 5,250; Non-Residential Outdoor: 1,750; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Monterey Gateway - Bay Area AQMD Air District, Summer

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

Trips and VMT

Monterey Gateway - Bay Area AQMD Air District, Summer

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	6	15.00	0.00	5.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	2.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	1,870.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	37.00	11.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1063	0.0000	0.1063	0.0161	0.0000	0.0161			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	0.1063	1.6587	1.7650	0.0161	1.5419	1.5580		3,747.7049	3,747.7049	1.0580		3,774.1536

Monterey Gateway - Bay Area AQMD Air District, Summer

3.2 Demolition - 2020

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	4.1300e-003	0.1432	0.0285	4.0000e-004	8.7300e-003	4.7000e-004	9.2000e-003	2.3900e-003	4.5000e-004	2.8400e-003		42.5392	42.5392	2.1300e-003		42.5924
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
Worker	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907
Total	0.0563	0.1748	0.4309	1.6400e-003	0.1320	1.2700e-003	0.1332	0.0351	1.1900e-003	0.0363		165.6557	165.6557	5.1000e-003		165.7830

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					0.1063	0.0000	0.1063	0.0161	0.0000	0.0161			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	0.1063	1.6587	1.7650	0.0161	1.5419	1.5580	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Monterey Gateway - Bay Area AQMD Air District, Summer

3.2 Demolition - 2020

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	4.1300e-003	0.1432	0.0285	4.0000e-004	8.7300e-003	4.7000e-004	9.2000e-003	2.3900e-003	4.5000e-004	2.8400e-003		42.5392	42.5392	2.1300e-003		42.5924
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
Worker	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907
Total	0.0563	0.1748	0.4309	1.6400e-003	0.1320	1.2700e-003	0.1332	0.0351	1.1900e-003	0.0363		165.6557	165.6557	5.1000e-003		165.7830

3.3 Site Preparation - 2020

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					18.0664	0.0000	18.0664	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0664	2.1974	20.2638	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

Monterey Gateway - Bay Area AQMD Air District, Summer

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.3000e-004	0.0286	5.6900e-003	8.0000e-005	1.7500e-003	9.0000e-005	1.8400e-003	4.8000e-004	9.0000e-005	5.7000e-004		8.5078	8.5078	4.3000e-004		8.5185
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
Worker	0.0626	0.0379	0.4830	1.4800e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		147.7398	147.7398	3.5600e-003		147.8288
Total	0.0634	0.0665	0.4886	1.5600e-003	0.1496	1.0500e-003	0.1507	0.0397	9.7000e-004	0.0407		156.2476	156.2476	3.9900e-003		156.3473

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					18.0664	0.0000	18.0664	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0664	2.1974	20.2638	9.9307	2.0216	11.9523	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Monterey Gateway - Bay Area AQMD Air District, Summer

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.3000e-004	0.0286	5.6900e-003	8.0000e-005	1.7500e-003	9.0000e-005	1.8400e-003	4.8000e-004	9.0000e-005	5.7000e-004		8.5078	8.5078	4.3000e-004		8.5185
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
Worker	0.0626	0.0379	0.4830	1.4800e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		147.7398	147.7398	3.5600e-003		147.8288
Total	0.0634	0.0665	0.4886	1.5600e-003	0.1496	1.0500e-003	0.1507	0.0397	9.7000e-004	0.0407		156.2476	156.2476	3.9900e-003		156.3473

3.4 Grading - 2020

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					6.1761	0.0000	6.1761	3.3283	0.0000	3.3283			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	6.1761	1.2734	7.4495	3.3283	1.1716	4.4999		2,872.4851	2,872.4851	0.9290		2,895.7106

Monterey Gateway - Bay Area AQMD Air District, Summer

3.4 Grading - 2020

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	0.3086	10.7130	2.1292	0.0298	0.6534	0.0350	0.6884	0.1791	0.0335	0.2126		3,181.9305	3,181.9305	0.1592		3,185.9099
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
Worker	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907
Total	0.3608	10.7446	2.5316	0.0310	0.7766	0.0358	0.8124	0.2117	0.0342	0.2460		3,305.0469	3,305.0469	0.1622		3,309.1005

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					6.1761	0.0000	6.1761	3.3283	0.0000	3.3283			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	6.1761	1.2734	7.4495	3.3283	1.1716	4.4999	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106

Monterey Gateway - Bay Area AQMD Air District, Summer

3.4 Grading - 2020

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	0.3086	10.7130	2.1292	0.0298	0.6534	0.0350	0.6884	0.1791	0.0335	0.2126		3,181.9305	3,181.9305	0.1592		3,185.9099
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
Worker	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907
Total	0.3608	10.7446	2.5316	0.0310	0.7766	0.0358	0.8124	0.2117	0.0342	0.2460		3,305.0469	3,305.0469	0.1622		3,309.1005

3.5 Building Construction - 2020

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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Monterey Gateway - Bay Area AQMD Air District, Summer

3.5 Building Construction - 2020

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
Vendor	0.0417	1.2536	0.2990	3.0300e-003	0.0745	6.1500e-003	0.0806	0.0214	5.8800e-003	0.0273		320.8789	320.8789	0.0158		321.2739
Worker	0.1286	0.0779	0.9927	3.0500e-003	0.3040	1.9700e-003	0.3059	0.0806	1.8100e-003	0.0824		303.6873	303.6873	7.3200e-003		303.8703
Total	0.1703	1.3315	1.2918	6.0800e-003	0.3784	8.1200e-003	0.3865	0.1021	7.6900e-003	0.1097		624.5662	624.5662	0.0231		625.1442

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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Monterey Gateway - Bay Area AQMD Air District, Summer

3.5 Building Construction - 2020

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
Vendor	0.0417	1.2536	0.2990	3.0300e-003	0.0745	6.1500e-003	0.0806	0.0214	5.8800e-003	0.0273		320.8789	320.8789	0.0158		321.2739
Worker	0.1286	0.0779	0.9927	3.0500e-003	0.3040	1.9700e-003	0.3059	0.0806	1.8100e-003	0.0824		303.6873	303.6873	7.3200e-003		303.8703
Total	0.1703	1.3315	1.2918	6.0800e-003	0.3784	8.1200e-003	0.3865	0.1021	7.6900e-003	0.1097		624.5662	624.5662	0.0231		625.1442

3.5 Building Construction - 2021

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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Monterey Gateway - Bay Area AQMD Air District, Summer

3.5 Building Construction - 2021

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
Vendor	0.0341	1.1368	0.2681	3.0000e-003	0.0745	2.4600e-003	0.0769	0.0214	2.3600e-003	0.0238		317.8544	317.8544	0.0149		318.2274
Worker	0.1190	0.0695	0.9088	2.9400e-003	0.3040	1.9100e-003	0.3059	0.0806	1.7600e-003	0.0824		293.0250	293.0250	6.5500e-003		293.1888
Total	0.1531	1.2063	1.1769	5.9400e-003	0.3784	4.3700e-003	0.3828	0.1021	4.1200e-003	0.1062		610.8794	610.8794	0.0215		611.4161

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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Monterey Gateway - Bay Area AQMD Air District, Summer

3.5 Building Construction - 2021

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
Vendor	0.0341	1.1368	0.2681	3.0000e-003	0.0745	2.4600e-003	0.0769	0.0214	2.3600e-003	0.0238		317.8544	317.8544	0.0149		318.2274
Worker	0.1190	0.0695	0.9088	2.9400e-003	0.3040	1.9100e-003	0.3059	0.0806	1.7600e-003	0.0824		293.0250	293.0250	6.5500e-003		293.1888
Total	0.1531	1.2063	1.1769	5.9400e-003	0.3784	4.3700e-003	0.3828	0.1021	4.1200e-003	0.1062		610.8794	610.8794	0.0215		611.4161

3.5 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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Monterey Gateway - Bay Area AQMD Air District, Summer

3.5 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	0.0000	0.0000	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	0.0318	1.0773	0.2521	2.9700e-003	0.0745	2.1300e-003	0.0766	0.0214	2.0400e-003	0.0235		314.7590	314.7590	0.0143		315.1156
Worker	0.1107	0.0624	0.8374	2.8300e-003	0.3040	1.8700e-003	0.3058	0.0806	1.7200e-003	0.0823		282.2713	282.2713	5.8800e-003		282.4183
Total	0.1426	1.1397	1.0895	5.8000e-003	0.3784	4.0000e-003	0.3824	0.1021	3.7600e-003	0.1058		597.0302	597.0302	0.0201		597.5339

Mitigated Construction On-Site

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

Monterey Gateway - Bay Area AQMD Air District, Summer

3.5 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	0.0000	0.0000	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	0.0318	1.0773	0.2521	2.9700e-003	0.0745	2.1300e-003	0.0766	0.0214	2.0400e-003	0.0235		314.7590	314.7590	0.0143		315.1156
Worker	0.1107	0.0624	0.8374	2.8300e-003	0.3040	1.8700e-003	0.3058	0.0806	1.7200e-003	0.0823		282.2713	282.2713	5.8800e-003		282.4183
Total	0.1426	1.1397	1.0895	5.8000e-003	0.3784	4.0000e-003	0.3824	0.1021	3.7600e-003	0.1058		597.0302	597.0302	0.0201		597.5339

3.6 Paving - 2020

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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841

Monterey Gateway - Bay Area AQMD Air District, Summer

3.6 Paving - 2020

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
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
Worker	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907
Total	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907

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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Monterey Gateway - Bay Area AQMD Air District, Summer

3.6 Paving - 2020

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
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
Worker	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907
Total	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907

3.7 Architectural Coating - 2020

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	4.9924					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	5.2345	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Monterey Gateway - Bay Area AQMD Air District, Summer

3.7 Architectural Coating - 2020

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
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
Worker	0.0243	0.0147	0.1878	5.8000e-004	0.0575	3.7000e-004	0.0579	0.0153	3.4000e-004	0.0156		57.4544	57.4544	1.3800e-003		57.4890
Total	0.0243	0.0147	0.1878	5.8000e-004	0.0575	3.7000e-004	0.0579	0.0153	3.4000e-004	0.0156		57.4544	57.4544	1.3800e-003		57.4890

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	4.9924					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	5.2345	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Monterey Gateway - Bay Area AQMD Air District, Summer

3.7 Architectural Coating - 2020

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
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
Worker	0.0243	0.0147	0.1878	5.8000e-004	0.0575	3.7000e-004	0.0579	0.0153	3.4000e-004	0.0156		57.4544	57.4544	1.3800e-003		57.4890
Total	0.0243	0.0147	0.1878	5.8000e-004	0.0575	3.7000e-004	0.0579	0.0153	3.4000e-004	0.0156		57.4544	57.4544	1.3800e-003		57.4890

3.7 Architectural Coating - 2021

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	4.9924					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	5.2113	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Monterey Gateway - Bay Area AQMD Air District, Summer

3.7 Architectural Coating - 2021

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
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
Worker	0.0225	0.0132	0.1719	5.6000e-004	0.0575	3.6000e-004	0.0579	0.0153	3.3000e-004	0.0156		55.4372	55.4372	1.2400e-003		55.4682
Total	0.0225	0.0132	0.1719	5.6000e-004	0.0575	3.6000e-004	0.0579	0.0153	3.3000e-004	0.0156		55.4372	55.4372	1.2400e-003		55.4682

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	4.9924					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	5.2113	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Monterey Gateway - Bay Area AQMD Air District, Summer

3.7 Architectural Coating - 2021

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
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
Worker	0.0225	0.0132	0.1719	5.6000e-004	0.0575	3.6000e-004	0.0579	0.0153	3.3000e-004	0.0156		55.4372	55.4372	1.2400e-003		55.4682
Total	0.0225	0.0132	0.1719	5.6000e-004	0.0575	3.6000e-004	0.0579	0.0153	3.3000e-004	0.0156		55.4372	55.4372	1.2400e-003		55.4682

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.9924					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	5.1969	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Monterey Gateway - Bay Area AQMD Air District, Summer

3.7 Architectural Coating - 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
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
Worker	0.0210	0.0118	0.1584	5.4000e-004	0.0575	3.5000e-004	0.0579	0.0153	3.3000e-004	0.0156		53.4027	53.4027	1.1100e-003		53.4305
Total	0.0210	0.0118	0.1584	5.4000e-004	0.0575	3.5000e-004	0.0579	0.0153	3.3000e-004	0.0156		53.4027	53.4027	1.1100e-003		53.4305

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	4.9924					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	5.1969	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Monterey Gateway - Bay Area AQMD Air District, Summer

3.7 Architectural Coating - 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
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
Worker	0.0210	0.0118	0.1584	5.4000e-004	0.0575	3.5000e-004	0.0579	0.0153	3.3000e-004	0.0156		53.4027	53.4027	1.1100e-003		53.4305
Total	0.0210	0.0118	0.1584	5.4000e-004	0.0575	3.5000e-004	0.0579	0.0153	3.3000e-004	0.0156		53.4027	53.4027	1.1100e-003		53.4305

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

Monterey Gateway - Bay Area AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4335	5.2265	13.7009	0.0507	4.3991	0.0395	4.4386	1.1769	0.0369	1.2138		5,132.1537	5,132.1537	0.1743		5,136.5112
Unmitigated	1.4877	5.5294	15.1084	0.0569	4.9876	0.0441	5.0317	1.3343	0.0411	1.3755		5,760.3880	5,760.3880	0.1912		5,765.1671

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	933.04	933.04	933.04	2,154,951	1,900,667
Regional Shopping Center	110.00	110.00	110.00	192,866	170,108
Total	1,043.04	1,043.04	1,043.04	2,347,818	2,070,775

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
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.578638	0.038775	0.193686	0.110919	0.015677	0.005341	0.018293	0.026358	0.002641	0.002200	0.005832	0.000891	0.000749
Regional Shopping Center	0.578638	0.038775	0.193686	0.110919	0.015677	0.005341	0.018293	0.026358	0.002641	0.002200	0.005832	0.000891	0.000749

Monterey Gateway - Bay Area AQMD Air District, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0459	0.3926	0.1677	2.5100e-003		0.0317	0.0317		0.0317	0.0317		501.0207	501.0207	9.6000e-003	9.1900e-003	503.9980
NaturalGas Unmitigated	0.0459	0.3926	0.1677	2.5100e-003		0.0317	0.0317		0.0317	0.0317		501.0207	501.0207	9.6000e-003	9.1900e-003	503.9980

Monterey Gateway - Bay Area AQMD Air District, Summer

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					
Regional Shopping Center	15.9178	1.7000e-004	1.5600e-003	1.3100e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		1.8727	1.8727	4.0000e-005	3.0000e-005	1.8838
Single Family Housing	4242.76	0.0458	0.3910	0.1664	2.5000e-003		0.0316	0.0316		0.0316	0.0316		499.1480	499.1480	9.5700e-003	9.1500e-003	502.1142
Total		0.0459	0.3926	0.1677	2.5100e-003		0.0317	0.0317		0.0317	0.0317		501.0207	501.0207	9.6100e-003	9.1800e-003	503.9980

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					
Regional Shopping Center	0.0159178	1.7000e-004	1.5600e-003	1.3100e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		1.8727	1.8727	4.0000e-005	3.0000e-005	1.8838
Single Family Housing	4.24276	0.0458	0.3910	0.1664	2.5000e-003		0.0316	0.0316		0.0316	0.0316		499.1480	499.1480	9.5700e-003	9.1500e-003	502.1142
Total		0.0459	0.3926	0.1677	2.5100e-003		0.0317	0.0317		0.0317	0.0317		501.0207	501.0207	9.6100e-003	9.1800e-003	503.9980

6.0 Area Detail

6.1 Mitigation Measures Area

Monterey Gateway - Bay Area AQMD Air District, Summer

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	4.9278	0.0961	8.3348	4.4000e-004		0.0461	0.0461		0.0461	0.0461	0.0000	15.0046	15.0046	0.0144	0.0000	15.3653
Unmitigated	109.5959	2.1114	143.7040	0.2554		19.1880	19.1880		19.1880	19.1880	2,058.212 2	638.8281	2,697.040 3	2.5593	0.1452	2,804.303 4

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	0.7112					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	104.6681	2.0153	135.3692	0.2549		19.1419	19.1419		19.1419	19.1419	2,058.212 2	623.8235	2,682.035 7	2.5449	0.1452	2,788.938 1
Landscaping	0.2511	0.0961	8.3348	4.4000e-004		0.0461	0.0461		0.0461	0.0461		15.0046	15.0046	0.0144		15.3653
Total	109.5958	2.1114	143.7040	0.2554		19.1880	19.1880		19.1880	19.1880	2,058.212 2	638.8281	2,697.040 3	2.5593	0.1452	2,804.303 4

Monterey Gateway - Bay Area AQMD Air District, Summer

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	0.7112					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9654					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	0.2511	0.0961	8.3348	4.4000e-004		0.0461	0.0461		0.0461	0.0461		15.0046	15.0046	0.0144		15.3653
Total	4.9278	0.0961	8.3348	4.4000e-004		0.0461	0.0461		0.0461	0.0461	0.0000	15.0046	15.0046	0.0144	0.0000	15.3653

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Monterey Gateway - Bay Area AQMD Air District, Summer

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
----------------	--------	-----------	------------	-------------	-------------	-----------

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

Monterey Gateway - Bay Area AQMD Air District, Winter

Monterey Gateway
Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	101.00	Dwelling Unit	5.67	181,800.00	289
Regional Shopping Center	3.50	1000sqft	0.08	3,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	257.69	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Monterey Gateway - Bay Area AQMD Air District, Winter

Project Characteristics - updating co2 intensity factor

Land Use - update acreage

Construction Phase - updating days

Grading - updating acreage

Demolition -

Vehicle Trips - updating trip rates per traffic impact analysis

Mobile Land Use Mitigation -

Water Mitigation -

Energy Mitigation -

Area Mitigation -

Energy Use - title 24 adjustments

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	520.00
tblConstructionPhase	NumDays	230.00	520.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	50.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	PhaseEndDate	9/21/2021	11/29/2022
tblConstructionPhase	PhaseEndDate	7/27/2021	11/15/2022
tblConstructionPhase	PhaseEndDate	7/28/2020	7/14/2020
tblConstructionPhase	PhaseEndDate	9/8/2020	10/20/2020
tblConstructionPhase	PhaseEndDate	8/24/2021	11/17/2020
tblConstructionPhase	PhaseStartDate	8/25/2021	12/2/2020
tblConstructionPhase	PhaseStartDate	9/9/2020	11/18/2020
tblConstructionPhase	PhaseStartDate	7/28/2021	10/21/2020
tblConstructionPhase	PhaseStartDate	7/29/2020	7/15/2020

Monterey Gateway - Bay Area AQMD Air District, Winter

tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24NG	25,910.09	12,177.74
tblEnergyUse	T24NG	2.37	1.66
tblGrading	AcresOfGrading	25.00	5.67
tblGrading	MaterialExported	0.00	20.00
tblGrading	MaterialImported	0.00	14,960.00
tblLandUse	LotAcreage	32.79	5.67
tblProjectCharacteristics	CO2IntensityFactor	641.35	257.69
tblTripsAndVMT	HaulingTripNumber	3.00	2.00
tblVehicleTrips	ST_TR	9.91	9.24
tblVehicleTrips	ST_TR	49.97	31.43
tblVehicleTrips	SU_TR	8.62	9.24
tblVehicleTrips	SU_TR	25.24	31.43
tblVehicleTrips	WD_TR	9.52	9.24
tblVehicleTrips	WD_TR	42.70	31.43

2.0 Emissions Summary

Monterey Gateway - Bay Area AQMD Air District, Winter

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					
2020	7.5600	42.4935	22.1618	0.0600	18.2160	2.1985	20.4144	9.9704	2.0226	11.9930	0.0000	6,114.3809	6,114.3809	1.1956	0.0000	6,141.8552
2021	7.2982	20.2076	19.7120	0.0360	0.4359	1.0575	1.4935	0.1173	0.9999	1.1172	0.0000	3,465.5979	3,465.5979	0.6587	0.0000	3,482.0662
2022	7.0767	18.2012	19.3945	0.0359	0.4359	0.8952	1.3311	0.1173	0.8470	0.9644	0.0000	3,451.7329	3,451.7329	0.6522	0.0000	3,468.0377
Maximum	7.5600	42.4935	22.1618	0.0600	18.2160	2.1985	20.4144	9.9704	2.0226	11.9930	0.0000	6,114.3809	6,114.3809	1.1956	0.0000	6,141.8552

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					
2020	7.5600	42.4935	22.1618	0.0600	18.2160	2.1985	20.4144	9.9704	2.0226	11.9930	0.0000	6,114.3809	6,114.3809	1.1956	0.0000	6,141.8552
2021	7.2982	20.2076	19.7120	0.0360	0.4359	1.0575	1.4935	0.1173	0.9999	1.1172	0.0000	3,465.5979	3,465.5979	0.6587	0.0000	3,482.0662
2022	7.0767	18.2012	19.3945	0.0359	0.4359	0.8952	1.3311	0.1173	0.8470	0.9644	0.0000	3,451.7329	3,451.7329	0.6522	0.0000	3,468.0377
Maximum	7.5600	42.4935	22.1618	0.0600	18.2160	2.1985	20.4144	9.9704	2.0226	11.9930	0.0000	6,114.3809	6,114.3809	1.1956	0.0000	6,141.8552

Monterey Gateway - Bay Area AQMD Air District, Winter

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	109.5959	2.1114	143.7040	0.2554		19.1880	19.1880		19.1880	19.1880	2,058.2122	638.8281	2,697.0403	2.5593	0.1452	2,804.3034
Energy	0.0459	0.3926	0.1677	2.5100e-003		0.0317	0.0317		0.0317	0.0317		501.0207	501.0207	9.6000e-003	9.1900e-003	503.9980
Mobile	1.2787	5.8088	15.2144	0.0533	4.9876	0.0443	5.0319	1.3343	0.0414	1.3757		5,394.5890	5,394.5890	0.1949		5,399.4616
Total	110.9205	8.3128	159.0861	0.3112	4.9876	19.2640	24.2516	1.3343	19.2611	20.5954	2,058.2122	6,534.4378	8,592.6500	2.7638	0.1544	8,707.7630

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.9278	0.0961	8.3348	4.4000e-004		0.0461	0.0461		0.0461	0.0461	0.0000	15.0046	15.0046	0.0144	0.0000	15.3653
Energy	0.0459	0.3926	0.1677	2.5100e-003		0.0317	0.0317		0.0317	0.0317		501.0207	501.0207	9.6000e-003	9.1900e-003	503.9980
Mobile	1.2252	5.4714	13.9621	0.0475	4.3991	0.0397	4.4388	1.1769	0.0371	1.2140		4,804.9576	4,804.9576	0.1788		4,809.4269
Total	6.1990	5.9601	22.4646	0.0504	4.3991	0.1176	4.5167	1.1769	0.1150	1.2918	0.0000	5,320.9829	5,320.9829	0.2028	9.1900e-003	5,328.7902

Monterey Gateway - Bay Area AQMD Air District, Winter

	ROG	NOx	CO	SO2	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	94.41	28.30	85.88	83.80	11.80	99.39	81.38	11.80	99.40	93.73	100.00	18.57	38.08	92.66	94.05	38.80

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	7/1/2020	7/14/2020	5	10	
2	Site Preparation	Site Preparation	7/15/2020	8/11/2020	5	20	
3	Grading	Grading	8/12/2020	10/20/2020	5	50	
4	Building Construction	Building Construction	11/18/2020	11/15/2022	5	520	
5	Paving	Paving	10/21/2020	11/17/2020	5	20	
6	Architectural Coating	Architectural Coating	12/2/2020	11/29/2022	5	520	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 5.665

Acres of Paving: 0

Residential Indoor: 368,145; Residential Outdoor: 122,715; Non-Residential Indoor: 5,250; Non-Residential Outdoor: 1,750; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Monterey Gateway - Bay Area AQMD Air District, Winter

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

Trips and VMT

Monterey Gateway - Bay Area AQMD Air District, Winter

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	6	15.00	0.00	5.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	2.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	1,870.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	37.00	11.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1063	0.0000	0.1063	0.0161	0.0000	0.0161			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	0.1063	1.6587	1.7650	0.0161	1.5419	1.5580		3,747.7049	3,747.7049	1.0580		3,774.1536

Monterey Gateway - Bay Area AQMD Air District, Winter

3.2 Demolition - 2020

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	4.2400e-003	0.1467	0.0306	3.9000e-004	8.7300e-003	4.8000e-004	9.2100e-003	2.3900e-003	4.6000e-004	2.8500e-003		41.8247	41.8247	2.2400e-003		41.8806
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
Worker	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792
Total	0.0594	0.1857	0.4086	1.5300e-003	0.1320	1.2800e-003	0.1332	0.0351	1.2000e-003	0.0363		155.2345	155.2345	5.0100e-003		155.3597

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					0.1063	0.0000	0.1063	0.0161	0.0000	0.0161			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	0.1063	1.6587	1.7650	0.0161	1.5419	1.5580	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Monterey Gateway - Bay Area AQMD Air District, Winter

3.2 Demolition - 2020

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	4.2400e-003	0.1467	0.0306	3.9000e-004	8.7300e-003	4.8000e-004	9.2100e-003	2.3900e-003	4.6000e-004	2.8500e-003		41.8247	41.8247	2.2400e-003		41.8806
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
Worker	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792
Total	0.0594	0.1857	0.4086	1.5300e-003	0.1320	1.2800e-003	0.1332	0.0351	1.2000e-003	0.0363		155.2345	155.2345	5.0100e-003		155.3597

3.3 Site Preparation - 2020

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					18.0664	0.0000	18.0664	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0664	2.1974	20.2638	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

Monterey Gateway - Bay Area AQMD Air District, Winter

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.5000e-004	0.0294	6.1300e-003	8.0000e-005	1.7500e-003	1.0000e-004	1.8400e-003	4.8000e-004	9.0000e-005	5.7000e-004		8.3649	8.3649	4.5000e-004		8.3761
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
Worker	0.0662	0.0468	0.4536	1.3700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.0918	136.0918	3.3300e-003		136.1750
Total	0.0670	0.0762	0.4597	1.4500e-003	0.1496	1.0600e-003	0.1507	0.0397	9.7000e-004	0.0407		144.4567	144.4567	3.7800e-003		144.5511

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					18.0664	0.0000	18.0664	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0664	2.1974	20.2638	9.9307	2.0216	11.9523	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Monterey Gateway - Bay Area AQMD Air District, Winter

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.5000e-004	0.0294	6.1300e-003	8.0000e-005	1.7500e-003	1.0000e-004	1.8400e-003	4.8000e-004	9.0000e-005	5.7000e-004		8.3649	8.3649	4.5000e-004		8.3761
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
Worker	0.0662	0.0468	0.4536	1.3700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.0918	136.0918	3.3300e-003		136.1750
Total	0.0670	0.0762	0.4597	1.4500e-003	0.1496	1.0600e-003	0.1507	0.0397	9.7000e-004	0.0407		144.4567	144.4567	3.7800e-003		144.5511

3.4 Grading - 2020

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					6.1761	0.0000	6.1761	3.3283	0.0000	3.3283			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	6.1761	1.2734	7.4495	3.3283	1.1716	4.4999		2,872.4851	2,872.4851	0.9290		2,895.7106

Monterey Gateway - Bay Area AQMD Air District, Winter

3.4 Grading - 2020

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	0.3171	10.9759	2.2921	0.0293	0.6534	0.0356	0.6890	0.1791	0.0341	0.2131		3,128.4860	3,128.4860	0.1672		3,132.6654
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
Worker	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792
Total	0.3722	11.0149	2.6701	0.0304	0.7766	0.0364	0.8130	0.2117	0.0348	0.2466		3,241.8958	3,241.8958	0.1700		3,246.1446

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					6.1761	0.0000	6.1761	3.3283	0.0000	3.3283			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	6.1761	1.2734	7.4495	3.3283	1.1716	4.4999	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106

Monterey Gateway - Bay Area AQMD Air District, Winter

3.4 Grading - 2020

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	0.3171	10.9759	2.2921	0.0293	0.6534	0.0356	0.6890	0.1791	0.0341	0.2131		3,128.4860	3,128.4860	0.1672		3,132.6654
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
Worker	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792
Total	0.3722	11.0149	2.6701	0.0304	0.7766	0.0364	0.8130	0.2117	0.0348	0.2466		3,241.8958	3,241.8958	0.1700		3,246.1446

3.5 Building Construction - 2020

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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Monterey Gateway - Bay Area AQMD Air District, Winter

3.5 Building Construction - 2020

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
Vendor	0.0439	1.2676	0.3421	2.9500e-003	0.0745	6.2500e-003	0.0807	0.0214	5.9800e-003	0.0274		312.7600	312.7600	0.0171		313.1873
Worker	0.1360	0.0962	0.9324	2.8100e-003	0.3040	1.9700e-003	0.3059	0.0806	1.8100e-003	0.0824		279.7442	279.7442	6.8400e-003		279.9153
Total	0.1799	1.3638	1.2745	5.7600e-003	0.3784	8.2200e-003	0.3866	0.1021	7.7900e-003	0.1098		592.5042	592.5042	0.0239		593.1025

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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Monterey Gateway - Bay Area AQMD Air District, Winter

3.5 Building Construction - 2020

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
Vendor	0.0439	1.2676	0.3421	2.9500e-003	0.0745	6.2500e-003	0.0807	0.0214	5.9800e-003	0.0274		312.7600	312.7600	0.0171		313.1873
Worker	0.1360	0.0962	0.9324	2.8100e-003	0.3040	1.9700e-003	0.3059	0.0806	1.8100e-003	0.0824		279.7442	279.7442	6.8400e-003		279.9153
Total	0.1799	1.3638	1.2745	5.7600e-003	0.3784	8.2200e-003	0.3866	0.1021	7.7900e-003	0.1098		592.5042	592.5042	0.0239		593.1025

3.5 Building Construction - 2021

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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Monterey Gateway - Bay Area AQMD Air District, Winter

3.5 Building Construction - 2021

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
Vendor	0.0361	1.1465	0.3081	2.9200e-003	0.0745	2.5500e-003	0.0770	0.0214	2.4400e-003	0.0239		309.7899	309.7899	0.0161		310.1934
Worker	0.1260	0.0859	0.8503	2.7100e-003	0.3040	1.9100e-003	0.3059	0.0806	1.7600e-003	0.0824		269.9286	269.9286	6.1100e-003		270.0813
Total	0.1622	1.2324	1.1584	5.6300e-003	0.3784	4.4600e-003	0.3829	0.1021	4.2000e-003	0.1063		579.7184	579.7184	0.0223		580.2746

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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Monterey Gateway - Bay Area AQMD Air District, Winter

3.5 Building Construction - 2021

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
Vendor	0.0361	1.1465	0.3081	2.9200e-003	0.0745	2.5500e-003	0.0770	0.0214	2.4400e-003	0.0239		309.7899	309.7899	0.0161		310.1934
Worker	0.1260	0.0859	0.8503	2.7100e-003	0.3040	1.9100e-003	0.3059	0.0806	1.7600e-003	0.0824		269.9286	269.9286	6.1100e-003		270.0813
Total	0.1622	1.2324	1.1584	5.6300e-003	0.3784	4.4600e-003	0.3829	0.1021	4.2000e-003	0.1063		579.7184	579.7184	0.0223		580.2746

3.5 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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Monterey Gateway - Bay Area AQMD Air District, Winter

3.5 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	0.0000	0.0000	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	0.0337	1.0855	0.2896	2.8900e-003	0.0745	2.2100e-003	0.0767	0.0214	2.1200e-003	0.0236		306.7228	306.7228	0.0154		307.1082
Worker	0.1176	0.0770	0.7803	2.6100e-003	0.3040	1.8700e-003	0.3058	0.0806	1.7200e-003	0.0823		260.0331	260.0331	5.4700e-003		260.1698
Total	0.1513	1.1625	1.0699	5.5000e-003	0.3784	4.0800e-003	0.3825	0.1021	3.8400e-003	0.1059		566.7559	566.7559	0.0209		567.2780

Mitigated Construction On-Site

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

Monterey Gateway - Bay Area AQMD Air District, Winter

3.5 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	0.0000	0.0000	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	0.0337	1.0855	0.2896	2.8900e-003	0.0745	2.2100e-003	0.0767	0.0214	2.1200e-003	0.0236		306.7228	306.7228	0.0154		307.1082
Worker	0.1176	0.0770	0.7803	2.6100e-003	0.3040	1.8700e-003	0.3058	0.0806	1.7200e-003	0.0823		260.0331	260.0331	5.4700e-003		260.1698
Total	0.1513	1.1625	1.0699	5.5000e-003	0.3784	4.0800e-003	0.3825	0.1021	3.8400e-003	0.1059		566.7559	566.7559	0.0209		567.2780

3.6 Paving - 2020

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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841

Monterey Gateway - Bay Area AQMD Air District, Winter

3.6 Paving - 2020

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
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
Worker	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792
Total	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792

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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Monterey Gateway - Bay Area AQMD Air District, Winter

3.6 Paving - 2020

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
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
Worker	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792
Total	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792

3.7 Architectural Coating - 2020

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	4.9924					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	5.2345	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Monterey Gateway - Bay Area AQMD Air District, Winter

3.7 Architectural Coating - 2020

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
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
Worker	0.0257	0.0182	0.1764	5.3000e-004	0.0575	3.7000e-004	0.0579	0.0153	3.4000e-004	0.0156		52.9246	52.9246	1.2900e-003		52.9569
Total	0.0257	0.0182	0.1764	5.3000e-004	0.0575	3.7000e-004	0.0579	0.0153	3.4000e-004	0.0156		52.9246	52.9246	1.2900e-003		52.9569

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	4.9924					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	5.2345	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Monterey Gateway - Bay Area AQMD Air District, Winter

3.7 Architectural Coating - 2020

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
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
Worker	0.0257	0.0182	0.1764	5.3000e-004	0.0575	3.7000e-004	0.0579	0.0153	3.4000e-004	0.0156		52.9246	52.9246	1.2900e-003		52.9569
Total	0.0257	0.0182	0.1764	5.3000e-004	0.0575	3.7000e-004	0.0579	0.0153	3.4000e-004	0.0156		52.9246	52.9246	1.2900e-003		52.9569

3.7 Architectural Coating - 2021

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	4.9924					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	5.2113	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Monterey Gateway - Bay Area AQMD Air District, Winter

3.7 Architectural Coating - 2021

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
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
Worker	0.0238	0.0163	0.1609	5.1000e-004	0.0575	3.6000e-004	0.0579	0.0153	3.3000e-004	0.0156		51.0676	51.0676	1.1600e-003		51.0965
Total	0.0238	0.0163	0.1609	5.1000e-004	0.0575	3.6000e-004	0.0579	0.0153	3.3000e-004	0.0156		51.0676	51.0676	1.1600e-003		51.0965

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	4.9924					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	5.2113	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Monterey Gateway - Bay Area AQMD Air District, Winter

3.7 Architectural Coating - 2021

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
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
Worker	0.0238	0.0163	0.1609	5.1000e-004	0.0575	3.6000e-004	0.0579	0.0153	3.3000e-004	0.0156		51.0676	51.0676	1.1600e-003		51.0965
Total	0.0238	0.0163	0.1609	5.1000e-004	0.0575	3.6000e-004	0.0579	0.0153	3.3000e-004	0.0156		51.0676	51.0676	1.1600e-003		51.0965

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.9924					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	5.1969	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Monterey Gateway - Bay Area AQMD Air District, Winter

3.7 Architectural Coating - 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
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
Worker	0.0223	0.0146	0.1476	4.9000e-004	0.0575	3.5000e-004	0.0579	0.0153	3.3000e-004	0.0156		49.1954	49.1954	1.0300e-003		49.2213
Total	0.0223	0.0146	0.1476	4.9000e-004	0.0575	3.5000e-004	0.0579	0.0153	3.3000e-004	0.0156		49.1954	49.1954	1.0300e-003		49.2213

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	4.9924					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	5.1969	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Monterey Gateway - Bay Area AQMD Air District, Winter

3.7 Architectural Coating - 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
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
Worker	0.0223	0.0146	0.1476	4.9000e-004	0.0575	3.5000e-004	0.0579	0.0153	3.3000e-004	0.0156		49.1954	49.1954	1.0300e-003		49.2213
Total	0.0223	0.0146	0.1476	4.9000e-004	0.0575	3.5000e-004	0.0579	0.0153	3.3000e-004	0.0156		49.1954	49.1954	1.0300e-003		49.2213

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

Monterey Gateway - Bay Area AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.2252	5.4714	13.9621	0.0475	4.3991	0.0397	4.4388	1.1769	0.0371	1.2140		4,804.9576	4,804.9576	0.1788		4,809.4269
Unmitigated	1.2787	5.8088	15.2144	0.0533	4.9876	0.0443	5.0319	1.3343	0.0414	1.3757		5,394.5890	5,394.5890	0.1949		5,399.4616

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	933.04	933.04	933.04	2,154,951	1,900,667
Regional Shopping Center	110.00	110.00	110.00	192,866	170,108
Total	1,043.04	1,043.04	1,043.04	2,347,818	2,070,775

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
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.578638	0.038775	0.193686	0.110919	0.015677	0.005341	0.018293	0.026358	0.002641	0.002200	0.005832	0.000891	0.000749
Regional Shopping Center	0.578638	0.038775	0.193686	0.110919	0.015677	0.005341	0.018293	0.026358	0.002641	0.002200	0.005832	0.000891	0.000749

Monterey Gateway - Bay Area AQMD Air District, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0459	0.3926	0.1677	2.5100e-003		0.0317	0.0317		0.0317	0.0317		501.0207	501.0207	9.6000e-003	9.1900e-003	503.9980
NaturalGas Unmitigated	0.0459	0.3926	0.1677	2.5100e-003		0.0317	0.0317		0.0317	0.0317		501.0207	501.0207	9.6000e-003	9.1900e-003	503.9980

Monterey Gateway - Bay Area AQMD Air District, Winter

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					
Regional Shopping Center	15.9178	1.7000e-004	1.5600e-003	1.3100e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		1.8727	1.8727	4.0000e-005	3.0000e-005	1.8838
Single Family Housing	4242.76	0.0458	0.3910	0.1664	2.5000e-003		0.0316	0.0316		0.0316	0.0316		499.1480	499.1480	9.5700e-003	9.1500e-003	502.1142
Total		0.0459	0.3926	0.1677	2.5100e-003		0.0317	0.0317		0.0317	0.0317		501.0207	501.0207	9.6100e-003	9.1800e-003	503.9980

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					
Regional Shopping Center	0.0159178	1.7000e-004	1.5600e-003	1.3100e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		1.8727	1.8727	4.0000e-005	3.0000e-005	1.8838
Single Family Housing	4.24276	0.0458	0.3910	0.1664	2.5000e-003		0.0316	0.0316		0.0316	0.0316		499.1480	499.1480	9.5700e-003	9.1500e-003	502.1142
Total		0.0459	0.3926	0.1677	2.5100e-003		0.0317	0.0317		0.0317	0.0317		501.0207	501.0207	9.6100e-003	9.1800e-003	503.9980

6.0 Area Detail

6.1 Mitigation Measures Area

Monterey Gateway - Bay Area AQMD Air District, Winter

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	4.9278	0.0961	8.3348	4.4000e-004		0.0461	0.0461		0.0461	0.0461	0.0000	15.0046	15.0046	0.0144	0.0000	15.3653
Unmitigated	109.5959	2.1114	143.7040	0.2554		19.1880	19.1880		19.1880	19.1880	2,058.212 2	638.8281	2,697.040 3	2.5593	0.1452	2,804.303 4

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	0.7112					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9654					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	104.6681	2.0153	135.3692	0.2549		19.1419	19.1419		19.1419	19.1419	2,058.212 2	623.8235	2,682.035 7	2.5449	0.1452	2,788.938 1
Landscaping	0.2511	0.0961	8.3348	4.4000e-004		0.0461	0.0461		0.0461	0.0461		15.0046	15.0046	0.0144		15.3653
Total	109.5958	2.1114	143.7040	0.2554		19.1880	19.1880		19.1880	19.1880	2,058.212 2	638.8281	2,697.040 3	2.5593	0.1452	2,804.303 4

Monterey Gateway - Bay Area AQMD Air District, Winter

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	0.7112					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9654					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	0.2511	0.0961	8.3348	4.4000e-004		0.0461	0.0461		0.0461	0.0461		15.0046	15.0046	0.0144		15.3653
Total	4.9278	0.0961	8.3348	4.4000e-004		0.0461	0.0461		0.0461	0.0461	0.0000	15.0046	15.0046	0.0144	0.0000	15.3653

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Monterey Gateway - Bay Area AQMD Air District, Winter

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

Monterey Gateway
Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

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

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	4	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	6	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	10	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	5.54700E-002	3.84680E-001	4.72250E-001	7.70000E-004	2.31800E-002	2.31800E-002	0.00000E+000	6.63846E+001	6.63846E+001	4.47000E-003	0.00000E+000	6.64965E+001
Concrete/Industrial Saws	2.09000E-003	1.64900E-002	1.84300E-002	3.00000E-005	9.90000E-004	9.90000E-004	0.00000E+000	2.68828E+000	2.68828E+000	1.70000E-004	0.00000E+000	2.69254E+000
Cranes	9.05400E-002	1.04477E+000	4.43960E-001	1.31000E-003	4.28500E-002	3.94200E-002	0.00000E+000	1.15324E+002	1.15324E+002	3.73000E-002	0.00000E+000	1.16256E+002
Excavators	9.80000E-003	9.65100E-002	1.30710E-001	2.10000E-004	4.67000E-003	4.30000E-003	0.00000E+000	1.81480E+001	1.81480E+001	5.87000E-003	0.00000E+000	1.82947E+001
Forklifts	9.62200E-002	8.83100E-001	9.06720E-001	1.19000E-003	6.12000E-002	5.63000E-002	0.00000E+000	1.04747E+002	1.04747E+002	3.38800E-002	0.00000E+000	1.05594E+002
Generator Sets	9.04800E-002	8.01200E-001	9.57360E-001	1.71000E-003	4.17000E-002	4.17000E-002	0.00000E+000	1.46954E+002	1.46954E+002	7.32000E-003	0.00000E+000	1.47137E+002
Graders	1.19000E-002	1.58140E-001	4.53600E-002	1.70000E-004	5.06000E-003	4.65000E-003	0.00000E+000	1.45766E+001	1.45766E+001	4.71000E-003	0.00000E+000	1.46945E+001
Pavers	5.25000E-003	5.62100E-002	5.79700E-002	9.00000E-005	2.73000E-003	2.51000E-003	0.00000E+000	8.26032E+000	8.26032E+000	2.67000E-003	0.00000E+000	8.32711E+000
Paving Equipment	4.15000E-003	4.28300E-002	5.06900E-002	8.00000E-005	2.14000E-003	1.97000E-003	0.00000E+000	7.15820E+000	7.15820E+000	2.32000E-003	0.00000E+000	7.21608E+000
Rollers	4.16000E-003	4.16200E-002	3.78700E-002	5.00000E-005	2.65000E-003	2.44000E-003	0.00000E+000	4.60970E+000	4.60970E+000	1.49000E-003	0.00000E+000	4.64698E+000
Rubber Tired Dozers	7.01700E-002	7.36600E-001	2.68550E-001	5.50000E-004	3.60700E-002	3.31900E-002	0.00000E+000	4.87859E+001	4.87859E+001	1.57800E-002	0.00000E+000	4.91804E+001
Tractors/Loaders/Backhoes	1.46120E-001	1.47918E+000	1.79895E+000	2.48000E-003	8.60400E-002	7.91600E-002	0.00000E+000	2.17768E+002	2.17768E+002	7.04300E-002	0.00000E+000	2.19529E+002
Welders	7.63800E-002	3.88090E-001	4.45050E-001	6.60000E-004	1.83100E-002	1.83100E-002	0.00000E+000	4.89374E+001	4.89374E+001	6.20000E-003	0.00000E+000	4.90924E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	5.54700E-002	3.84680E-001	4.72250E-001	7.70000E-004	2.31800E-002	2.31800E-002	0.00000E+000	6.63845E+001	6.63845E+001	4.47000E-003	0.00000E+000	6.64964E+001
Concrete/Industrial Saws	2.09000E-003	1.64900E-002	1.84300E-002	3.00000E-005	9.90000E-004	9.90000E-004	0.00000E+000	2.68828E+000	2.68828E+000	1.70000E-004	0.00000E+000	2.69254E+000
Cranes	9.05400E-002	1.04476E+000	4.43960E-001	1.31000E-003	4.28500E-002	3.94200E-002	0.00000E+000	1.15324E+002	1.15324E+002	3.73000E-002	0.00000E+000	1.16256E+002
Excavators	9.80000E-003	9.65100E-002	1.30710E-001	2.10000E-004	4.67000E-003	4.30000E-003	0.00000E+000	1.81480E+001	1.81480E+001	5.87000E-003	0.00000E+000	1.82947E+001
Forklifts	9.62200E-002	8.83100E-001	9.06720E-001	1.19000E-003	6.12000E-002	5.63000E-002	0.00000E+000	1.04747E+002	1.04747E+002	3.38800E-002	0.00000E+000	1.05594E+002
Generator Sets	9.04800E-002	8.01200E-001	9.57360E-001	1.71000E-003	4.17000E-002	4.17000E-002	0.00000E+000	1.46954E+002	1.46954E+002	7.32000E-003	0.00000E+000	1.47137E+002
Graders	1.19000E-002	1.58140E-001	4.53600E-002	1.70000E-004	5.06000E-003	4.65000E-003	0.00000E+000	1.45766E+001	1.45766E+001	4.71000E-003	0.00000E+000	1.46945E+001
Pavers	5.25000E-003	5.62100E-002	5.79700E-002	9.00000E-005	2.73000E-003	2.51000E-003	0.00000E+000	8.26031E+000	8.26031E+000	2.67000E-003	0.00000E+000	8.32710E+000
Paving Equipment	4.15000E-003	4.28300E-002	5.06900E-002	8.00000E-005	2.14000E-003	1.97000E-003	0.00000E+000	7.15819E+000	7.15819E+000	2.32000E-003	0.00000E+000	7.21607E+000
Rollers	4.16000E-003	4.16200E-002	3.78700E-002	5.00000E-005	2.65000E-003	2.44000E-003	0.00000E+000	4.60970E+000	4.60970E+000	1.49000E-003	0.00000E+000	4.64697E+000
Rubber Tired Dozers	7.01700E-002	7.36600E-001	2.68550E-001	5.50000E-004	3.60700E-002	3.31900E-002	0.00000E+000	4.87859E+001	4.87859E+001	1.57800E-002	0.00000E+000	4.91803E+001
Tractors/Loaders/Balckhoes	1.46120E-001	1.47917E+000	1.79895E+000	2.48000E-003	8.60400E-002	7.91600E-002	0.00000E+000	2.17768E+002	2.17768E+002	7.04300E-002	0.00000E+000	2.19528E+002
Welders	7.63800E-002	3.88090E-001	4.45050E-001	6.60000E-004	1.83100E-002	1.83100E-002	0.00000E+000	4.89373E+001	4.89373E+001	6.20000E-003	0.00000E+000	4.90923E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20510E-006	1.20510E-006	0.00000E+000	0.00000E+000	1.20307E-006
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Cranes	0.00000E+000	9.57148E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.12726E-006	1.12726E-006	0.00000E+000	0.00000E+000	1.20423E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.10205E-006	1.10205E-006	0.00000E+000	0.00000E+000	1.09321E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14562E-006	1.14562E-006	0.00000E+000	0.00000E+000	1.23113E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22487E-006	1.22487E-006	0.00000E+000	0.00000E+000	1.15539E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	6.86031E-007	6.86031E-007	0.00000E+000	0.00000E+000	6.80528E-007
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21061E-006	1.21061E-006	0.00000E+000	0.00000E+000	1.20090E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.39700E-006	1.39700E-006	0.00000E+000	0.00000E+000	1.38579E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	2.15194E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22986E-006	1.22986E-006	0.00000E+000	0.00000E+000	1.22000E-006
Tractors/Loaders/Balckhoes	0.00000E+000	6.76050E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19393E-006	1.19393E-006	0.00000E+000	0.00000E+000	1.18436E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.02171E-006	1.02171E-006	0.00000E+000	0.00000E+000	1.22219E-006

Fugitive Dust Mitigation

Yes/No Mitigation Measure Mitigation Input Mitigation Input Mitigation Input

No	Soil Stabilizer for unpaved Roads	PM10 Reduction	PM2.5 Reduction	
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	PM2.5 Reduction	
No	Water Exposed Area	PM10 Reduction	PM2.5 Reduction	Frequency (per day)

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.09	0.03	0.09	0.03	0.00	0.00
Demolition	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Fugitive Dust	0.15	0.08	0.15	0.08	0.00	0.00
Grading	Roads	0.02	0.01	0.02	0.01	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.18	0.10	0.18	0.10	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.02
Hearth	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	4.11	5.67	8.58	10.93	10.34	10.28	0.00	10.89	10.89	8.51	0.00	10.89
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	20.00	15.98	17.03	19.99	19.81	18.40
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Suburban Center

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.00	0.16		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
Yes	Land Use	Increase Transit Accessibility	0.11	0.40		
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.10			

Yes	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.02			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.12			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	4.50			
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00			2.00
No	Commute	Provide Ride Sharing Program	10.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.12		

Area Mitigation

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

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
Yes	Install High Efficiency Lighting	0.00	
Yes	On-site Renewable	202.00	0.00

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

Water Mitigation Measures

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

Solid Waste Mitigation

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