

**APPENDIX 3.3-A, APPENDIX A: CALEEMOD OUTPUTS FOR STATION AND
MAINTENANCE FACILITY OPERATION, MOWF CALCULATIONS, EAST
GILROY TRANSIT CALCULATIONS**

CalEEMod Outputs

Existing Diridon Station - Santa Clara County, Annual

**Existing Diridon Station
Santa Clara County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	22.20	1000sqft	0.51	22,205.00	0
Parking Lot	581.00	Space	5.23	232,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2015

Utility Company Pacific Gas & Electric Company

CO2 Intensity	391	CH4 Intensity	0.033	N2O Intensity	0.004
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1.3 User Entered Comments & Non-Default Data

- Project Characteristics - 2015 EF from eGrid and PG&E
- Vehicle Trips - Employee and passenger
- Energy Use - Re-weighted per project specific consumption
- Water And Wastewater - Gallons per project specific data
- Fleet Mix - Re-weighted to LDA/LDT/MCY
- Stationary Sources - Emergency Generators and Fire Pumps - Back Up Generators

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	11,103.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	33,308.00	0.00
tblArchitecturalCoating	ConstArea_Parking	13,944.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	3.08	10.47
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.70	12.58
tblEnergyUse	NT24NG	6.67	1.16
tblEnergyUse	T24E	1.48	5.03
tblEnergyUse	T24NG	19.71	3.44
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.58	0.71
tblFleetMix	LDA	0.58	0.71

tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.19	0.23
tblFleetMix	LDT2	0.19	0.23
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	4.8780e-003	0.00
tblFleetMix	LHD2	4.8780e-003	0.00
tblFleetMix	MCY	5.4870e-003	6.0000e-003
tblFleetMix	MCY	5.4870e-003	6.0000e-003
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.4700e-004	0.00
tblFleetMix	MH	9.4700e-004	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	1.9090e-003	0.00
tblFleetMix	OBUS	1.9090e-003	0.00
tblFleetMix	SBUS	5.8400e-004	0.00
tblFleetMix	SBUS	5.8400e-004	0.00
tblFleetMix	UBUS	1.7450e-003	0.00
tblFleetMix	UBUS	1.7450e-003	0.00
tblLandUse	LandUseSquareFeet	22,200.00	22,205.00
tblOffRoadEquipment	HorsePower	78.00	0.00
tblOffRoadEquipment	LoadFactor	0.48	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.033
tblProjectCharacteristics	CO2IntensityFactor	641.35	391
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	VendorTripLength	7.30	0.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripNumber	21.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	108.80
tblVehicleTrips	SU_TR	0.68	108.80
tblVehicleTrips	WD_TR	6.97	108.80
tblWater	IndoorWaterUseRate	5,133,750.00	1,308,162.00
tblWater	OutdoorWaterUseRate	0.00	665,199.00

2.0 Emissions Summary

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr											MT/yr				
Area	0.1187	6.00E-05	5.73E-03	0		2.00E-05	2.00E-05		2.00E-05	2.00E-05	0	0.0108	0.0108	3.00E-05	0	0.0116
Energy	5.50E-04	5.01E-03	4.21E-03	3.00E-05		3.80E-04	3.80E-04		3.80E-04	3.80E-04	0	116.0797	116.0797	9.44E-03	1.23E-03	116.6828

Mobile	1.0535	1.4193	14.7506	0.0291	2.7709	0.0183	2.7892	0.7363	0.0169	0.7532	0	2,622.68	2,622.68	0.1111	0	2,625.45
Stationary	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Waste						0	0		0	0	5.5883	0	5.5883	0.3303	0	13.8449
Water						0	0		0	0	0.415	1.6683	2.0833	0.0428	1.02E-03	3.4575
Total	1.2168	1.621	14.8727	0.0294	2.7709	0.0252	2.7961	0.7363	0.0238	0.7601	6.0034	2,760.846	2,766.85	0.4965	2.25E-03	2,779.93

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	2,415.46	2,415.46	2,415.46	7,559,585	7,559,585
Parking Lot	0.00	0.00	0.00		
Total	2,415.46	2,415.46	2,415.46	7,559,585	7,559,585

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
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.706	0.054	0.234	0	0	0	0	0	0	0	0.006	0	0
Parking Lot	0.706	0.054	0.234	0	0	0	0	0	0	0	0.006	0	0

5.0 Energy Detail

Historical Energy Use: N

5.2 Energy by Land Use - Natural Gas

Land Use	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	102176	5.50E-04	5.01E-03	4.21E-03	3.00E-05		3.80E-04	3.80E-04		3.80E-04	3.80E-04	0	5.4525	5.4525	1.00E-04	1.00E-04	5.4849
Parking Lot	0	0	0	0	0		0	0		0	0	0	0	0	0	0	0
Total		5.50E-04	5.01E-03	4.21E-03	3.00E-05		3.80E-04	3.80E-04		3.80E-04	3.80E-04	0	5.4525	5.4525	1.00E-04	1.00E-04	5.4849

5.3 Energy by Land Use - Electricity

Land Use	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr		

General Light Industry	623763	110.6273	9.3400e-003	1.1300e-003	111.1979
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		110.6273	9.3400e-003	1.1300e-003	111.1979

6.0 Area Detail

	ROG	NOx	CO	SO2	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	0.0164					0	0		0	0	0	0	0	0	0	0
Consumer Products	0.1017					0	0		0	0	0	0	0	0	0	0
Landscaping	5.70E-04	6.00E-05	5.73E-03	0		2.00E-05	2.00E-05		2.00E-05	2.00E-05	0	0.0108	0.0108	3.00E-05	0	0.0116
Total	0.1187	6.00E-05	5.73E-03	0		2.00E-05	2.00E-05		2.00E-05	2.00E-05	0	0.0108	0.0108	3.00E-05	0	0.0116

7.0 Water Detail

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	1.30816 / 0.665199	2.0833	0.0428	1.02E-03	3.4575
Parking Lot	0 / 0	0.0000	0	0	0
Total		2.0833	0.0428	1.02E-03	3.4575

8.0 Waste Detail

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	27.53	5.5883	0.3303	0	13.8449
Parking Lot	0	0	0	0	0
Total		5.5883	0.3303	0	13.8449

10.0 Stationary Equipment

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	50	1072	0.73	Diesel

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Total	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823

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Santa Clara County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	99.29	1000sqft	2.28	99,289.00	0
Parking Lot	635.00	Space	5.71	254,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2015
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	391	CH4 Intensity	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - 2015 EF from eGrid and PG&E
- Vehicle Trips - Employee and passenger
- Energy Use - Re-weighted per project specific consumption
- Water And Wastewater - Gallons per project specific data
- Operational Off-Road Equipment - -
- Fleet Mix - Re-weighted to LDA/LDT/MCY
- Stationary Sources - Emergency Generators and Fire Pumps - Back Up Generators

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	49,645.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	148,934.00	0.00
tblArchitecturalCoating	ConstArea_Parking	15,240.00	0.00
tblAreaCoating	Area_Nonresidential_Exterior	49645	11103
tblAreaCoating	Area_Nonresidential_Interior	148934	33308
tblAreaCoating	Area_Parking	15240	13944
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	3.08	10.47
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.70	12.58
tblEnergyUse	NT24NG	6.67	1.16
tblEnergyUse	T24E	1.48	5.03
tblEnergyUse	T24NG	19.71	3.44
tblFleetMix	HHD	0.02	0.00

tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.58	0.71
tblFleetMix	LDA	0.58	0.71
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.19	0.23
tblFleetMix	LDT2	0.19	0.23
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	4.8780e-003	0.00
tblFleetMix	LHD2	4.8780e-003	0.00
tblFleetMix	MCY	5.4870e-003	6.0000e-003
tblFleetMix	MCY	5.4870e-003	6.0000e-003
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.4700e-004	0.00
tblFleetMix	MH	9.4700e-004	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	1.9090e-003	0.00
tblFleetMix	OBUS	1.9090e-003	0.00
tblFleetMix	SBUS	5.8400e-004	0.00
tblFleetMix	SBUS	5.8400e-004	0.00
tblFleetMix	UBUS	1.7450e-003	0.00
tblFleetMix	UBUS	1.7450e-003	0.00
tblLandUse	LandUseSquareFeet	99,290.00	99,289.00
tblOffRoadEquipment	HorsePower	78.00	0.00
tblOffRoadEquipment	LoadFactor	0.48	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.033
tblProjectCharacteristics	CO2IntensityFactor	641.35	391
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	VendorTripLength	7.30	0.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	39.60
tblVehicleTrips	SU_TR	0.68	39.60
tblVehicleTrips	WD_TR	6.97	39.60
tblWater	IndoorWaterUseRate	22,960,812.50	5,849,408.00
tblWater	OutdoorWaterUseRate	0.00	2,974,418.00

2.0 Emissions Summary

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

Area	0.4213	7.00E-05	6.98E-03	0		3.00E-05	3.00E-05		3.00E-05	3.00E-05	0	0.0131	0.0131	4.00E-05	0	0.0141
Energy	2.46E-03	0.0224	0.0188	1.30E-04		1.70E-03	1.70E-03		1.70E-03	1.70E-03	0	518.8437	518.8437	0.0422	5.51E-03	521.5393
Mobile	1.7149	2.3103	24.0111	0.0474	4.5104	0.0299	4.5402	1.1985	0.0276	1.2261	0	4,269.20	4,269.20	0.1809	0	4,273.72
Stationary	0.1319	0.59	0.3364	6.30E-04		0.0194	0.0194		0.0194	0.0194	0	61.2322	61.2322	8.58E-03	0	61.4468
Waste						0	0		0	0	24.9923	0	24.9923	1.477	0	61.9172
Water						0	0		0	0	1.8558	7.4598	9.3156	0.1912	4.58E-03	15.4603
Total	2.2706	2.9228	24.3733	0.0481	4.5104	0.051	4.5614	1.1985	0.0487	1.2472	26.848	4,856.75	4,883.59	1.8999	0.0101	4,934.10

4.0 Operational Detail - Mobile

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	3,931.88	3,931.88	3,931.88	12,305,507	12,305,507
Parking Lot	0.00	0.00	0.00		
Total	3,931.88	3,931.88	3,931.88	12,305,507	12,305,507

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
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.706	0.054	0.234	0	0	0	0	0	0	0	0.006	0	0
Parking Lot	0.706	0.054	0.234	0	0	0	0	0	0	0	0.006	0	0

5.0 Energy Detail

Historical Energy Use: N

5.2 Energy by Land Use - Natural Gas

Land Use	Natural Gas Use kBTU/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
		tons/yr											MT/yr				
General Light Industry	456729	2.46E-03	0.0224	0.0188	1.30E-04		1.70E-03	1.70E-03		1.70E-03	1.70E-03	0	24.3728	24.3728	4.70E-04	4.50E-04	24.5177
Parking Lot	0	0	0	0	0		0	0		0	0	0	0	0	0	0	0
Total		2.46E-03	0.0224	0.0188	1.30E-04		1.70E-03	1.70E-03		1.70E-03	1.70E-03	0	24.3728	24.3728	4.70E-04	4.50E-04	24.5177

5.3 Energy by Land Use - Electricity

Land Use	Electricity Use kWh/yr	Total CO2 tons/yr	CH4	N2O	CO2e
			MT/yr		
General Light Industry	2.79E+06	494.4709	0.0417	5.06E-03	497.0217
Parking Lot	0	0	0	0	0
Total		494.4709	0.0417	5.06E-03	497.0217

6.0 Area Detail

	ROG	NOx	CO	SO2	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	0.0164					0	0		0	0	0	0	0	0	0	0
Consumer Products	0.4042					0	0		0	0	0	0	0	0	0	0
Landscaping	6.90E-04	7.00E-05	6.98E-03	0		3.00E-05	3.00E-05		3.00E-05	3.00E-05	0	0.0131	0.0131	4.00E-05	0	0.0141
Total	0.4213	7.00E-05	6.98E-03	0		3.00E-05	3.00E-05		3.00E-05	3.00E-05	0	0.0131	0.0131	4.00E-05	0	0.0141

7.0 Water Detail

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
General Light Industry	5.84941 / 2.97442		9.3156	0.1912	4.5800e-003	15.4603
Parking Lot	0 / 0		0.0000	0.0000	0.0000	0.0000
Total			9.3156	0.1912	4.5800e-003	15.4603

8.0 Waste Detail

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
General Light Industry	123.12		24.9923	1.4770	0.0000	61.9172
Parking Lot	0		0.0000	0.0000	0.0000	0.0000
Total			24.9923	1.4770	0.0000	61.9172

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	3	1	50	1072	0.73	Diesel

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.1319	0.59	0.3364	6.30E-04		0.0194	0.0194		0.0194	0.0194	0	61.2322	61.2322	8.58E-03	0	61.4468
Total	0.1319	0.59	0.3364	6.30E-04		0.0194	0.0194		0.0194	0.0194	0	61.2322	61.2322	8.58E-03	0	61.4468

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	2.64	1000sqft	0.06	2,641.00	0
Parking Lot	471.00	Space	4.24	188,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2015
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	391	CH4 Intensity	0.033	N2O Intensity	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - 2015 EF from eGrid and PG&E
- Vehicle Trips - Employee and passenger
- Energy Use - Re-weighted per project specific consumption
- Water And Wastewater - Gallons per project specific data
- Fleet Mix - Re-weighted to LDA/LDT/MCY
- Stationary Sources - Emergency Generators and Fire Pumps - Back Up Generators

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	1,321.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	3,962.00	0.00
tblArchitecturalCoating	ConstArea_Parking	11,304.00	0.00
tblConstructionPhase	NumDays	18.00	0.00
tblEnergyUse	LightingElect	3.08	0.71
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.70	0.86
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	T24E	1.48	0.34
tblEnergyUse	T24NG	19.71	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHH	0.02	0.00
tblFleetMix	LDA	0.58	0.71
tblFleetMix	LDA	0.58	0.71

tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.19	0.23
tblFleetMix	LDT2	0.19	0.23
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	4.8780e-003	0.00
tblFleetMix	LHD2	4.8780e-003	0.00
tblFleetMix	MCY	5.4870e-003	6.6620e-003
tblFleetMix	MCY	5.4870e-003	6.6620e-003
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.4700e-004	0.00
tblFleetMix	MH	9.4700e-004	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	1.9090e-003	0.00
tblFleetMix	OBUS	1.9090e-003	0.00
tblFleetMix	SBUS	5.8400e-004	0.00
tblFleetMix	SBUS	5.8400e-004	0.00
tblFleetMix	UBUS	1.7450e-003	0.00
tblFleetMix	UBUS	1.7450e-003	0.00
tblLandUse	LandUseSquareFeet	2,640.00	2,641.00
tblOffRoadEquipment	HorsePower	78.00	0.00
tblOffRoadEquipment	LoadFactor	0.48	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.033
tblProjectCharacteristics	CO2IntensityFactor	641.35	391
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	WorkerTripNumber	16.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	73.46
tblVehicleTrips	SU_TR	0.68	73.46
tblVehicleTrips	WD_TR	6.97	73.46
tblWater	IndoorWaterUseRate	610,500.00	88,328.00
tblWater	OutdoorWaterUseRate	0.00	41,672.00

2.0 Emissions Summary

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Area	0.0282	4.00E-05	4.50E-03	0		2.00E-05	2.00E-05		2.00E-05	2.00E-05	0	8.46E-03	8.46E-03	2.00E-05	0	9.08E-03
Energy	0	0	0	0		0	0		0	0	0	0.894	0.894	8.00E-05	1.00E-05	0.8987
Mobile	0.0859	0.1144	1.1941	2.34E-03	0.2225	1.47E-03	0.2239	0.0591	1.36E-03	0.0605	0	210.507	210.507	9.08E-03	0	210.7341
Stationary	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Waste						0	0		0	0	0.6638	0	0.6638	0.0392	0	1.6445
Water						0	0		0	0	0.028	0.1106	0.1387	2.89E-03	7.00E-05	0.2314

Consumer Products	0.0225					0	0		0	0	0	0	0	0	0	
Landscaping	4.50E-04	4.00E-05	4.50E-03	0		2.00E-05	2.00E-05		2.00E-05	2.00E-05	0	8.46E-03	8.46E-03	2.00E-05	0	9.08E-03
Total	0.0283	4.00E-05	4.50E-03	0		2.00E-05	2.00E-05		2.00E-05	2.00E-05	0	8.46E-03	8.46E-03	2.00E-05	0	9.08E-03

7.0 Water Detail

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0.088328 / 0.041672	0.1387	2.8900e-003	7.0000e-005	0.2314
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.1387	2.8900e-003	7.0000e-005	0.2314

8.0 Waste Detail

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	3.27	0.6638	0.0392	0.0000	1.6445
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.6638	0.0392	0.0000	1.6445

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	50	1072	0.73	Diesel

Equipment Type	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Total	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823

Existing DT Gilroy Station with Project - Santa Clara County, Annual

**Existing DT Gilroy Station with Project
Santa Clara County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	64.91	1000sqft	1.49	64,913.00	0
Parking Lot	1,441.00	Space	12.97	576,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2015
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	391	CH4 Intensity	0.033	N2O Intensity	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - 2015 EF from eGrid and PG&E
- Vehicle Trips - Employee and passenger
- Energy Use - Re-weighted per project specific consumption
- Water And Wastewater - Gallons per project specific data
- Fleet Mix - Re-weighted to LDA/LDT/MCY
- Stationary Sources - Emergency Generators and Fire Pumps - Back Up Generators

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	49,645.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	148,934.00	0.00
tblArchitecturalCoating	ConstArea_Parking	15,240.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	3.08	10.47
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.70	12.58

tblEnergyUse	NT24NG	6.67	1.16
tblEnergyUse	T24E	1.48	5.03
tblEnergyUse	T24NG	19.71	3.44
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.58	0.71
tblFleetMix	LDA	0.58	0.71
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.19	0.23
tblFleetMix	LDT2	0.19	0.23
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	4.8780e-003	0.00
tblFleetMix	LHD2	4.8780e-003	0.00
tblFleetMix	MCY	5.4870e-003	6.0000e-003
tblFleetMix	MCY	5.4870e-003	6.0000e-003
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.4700e-004	0.00
tblFleetMix	MH	9.4700e-004	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	1.9090e-003	0.00
tblFleetMix	OBUS	1.9090e-003	0.00
tblFleetMix	SBUS	5.8400e-004	0.00
tblFleetMix	SBUS	5.8400e-004	0.00
tblFleetMix	UBUS	1.7450e-003	0.00
tblFleetMix	UBUS	1.7450e-003	0.00
tblOffRoadEquipment	HorsePower	78.00	0.00
tblOffRoadEquipment	LoadFactor	0.48	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.033
tblProjectCharacteristics	CO2IntensityFactor	641.35	391
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblSolidWaste	SolidWasteGenerationRate	123.12	80.49
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	VendorTripLength	7.30	0.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00

tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	38.94
tblVehicleTrips	SU_TR	0.68	38.94
tblVehicleTrips	WD_TR	6.97	38.94
tblWater	IndoorWaterUseRate	22,960,812.50	3,824,216.00
tblWater	OutdoorWaterUseRate	0.00	1,944,610.00

2.0 Emissions Summary

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Area	0.3493	1.40E-04	0.0143	0		5.00E-05	5.00E-05		5.00E-05	5.00E-05	0	0.0269	0.0269	8.00E-05	0	0.0289
Energy	1.61E-03	0.0146	0.0123	9.00E-05		1.11E-03	1.11E-03		1.11E-03	1.11E-03	0	339.2088	339.2088	0.0276	3.60E-03	340.9711
Mobile	1.1026	1.4854	15.4377	0.0305	2.8999	0.0192	2.9191	0.7706	0.0177	0.7883	0	2,744.84	2,744.84	0.1163	0	2,747.75
Stationary	0.088	0.3934	0.2243	4.20E-04		0.0129	0.0129		0.0129	0.0129	0	40.8215	40.8215	5.72E-03	0	40.9645
Waste						0	0		0	0	16.3387	0	16.3387	0.9656	0	40.4785
Water						0	0		0	0	1.2133	4.8771	6.0903	0.125	2.99E-03	10.1076
Total	1.5414	1.8935	15.6886	0.031	2.8999	0.0333	2.9332	0.7706	0.0318	0.8024	17.552	3,129.78	3,147.33	1.2403	6.59E-03	3,180.30

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	2,527.97	2,527.97	2,527.97	7,911,723	7,911,723
Parking Lot	0.00	0.00	0.00		
Total	2,527.97	2,527.97	2,527.97	7,911,723	7,911,723

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
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.706000	0.054000	0.234000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006000	0.000000	0.000000
Parking Lot	0.706000	0.054000	0.234000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.2 Energy by Land Use - NaturalGas

	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						
General Light Industry	298600	1.61E-03	0.0146	0.0123	9.00E-05		1.11E-03	1.11E-03		1.11E-03	1.11E-03	0	15.9344	15.9344	3.10E-04	2.90E-04	16.0291	
Parking Lot	0	0	0	0	0		0	0		0	0	0	0	0	0	0	0	0
Total		1.61E-03	0.0146	0.0123	9.00E-05		1.11E-03	1.11E-03		1.11E-03	1.11E-03	0	15.9344	15.9344	3.10E-04	2.90E-04	16.0291	

5.3 Energy by Land Use - Electricity

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.82E+06	323.2744	0.0273	3.31E-03	324.942
Parking Lot	0	0	0	0	0
Total		323.2744	0.0273	3.31E-03	324.942

6.0 Area Detail

	ROG	NOx	CO	SO2	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	0.0571					0	0		0	0	0	0	0	0	0	0
Consumer Products	0.2908					0	0		0	0	0	0	0	0	0	0
Landscaping	1.42E-03	1.40E-04	0.0143	0		5.00E-05	5.00E-05		5.00E-05	5.00E-05	0	0.0269	0.0269	8.00E-05	0	0.0289
Total	0.3493	1.40E-04	0.0143	0		5.00E-05	5.00E-05		0.00005	0.00005	0	0.0269	0.0269	0.00008	0	0.0289

7.0 Water Detail

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	3.82422 / 1.94461	6.0903	0.1250	2.9900e-003	10.1076
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		6.0903	0.1250	2.9900e-003	10.1076

8.0 Waste Detail

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	80.49	16.3387	0.9656	0.0000	40.4785
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		16.3387	0.9656	0.0000	40.4785

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	1	50	1072	0.73	Diesel

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio-	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										CO2 MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.088	0.3934	0.2243	4.20E-04		0.0129	0.0129		0.0129	0.0129	0	40.8215	40.8215	5.72E-03	0	40.9645
Total	0.088	0.3934	0.2243	0.00042		0.0129	0.0129		0.0129	0.0129	0	40.8215	40.8215	0.00572	0	40.9645

Existing East Gilroy Station with Project - Santa Clara County, Annual

**Existing East Gilroy Station with Project
Santa Clara County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	63.01	1000sqft	1.45	63,011.00	0
Parking Lot	1,240.00	Space	11.16	496,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2015

Utility Company Pacific Gas & Electric Company

CO2 Intensity	391	CH4 Intensity	0.033	N2O Intensity	0.004
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1.3 User Entered Comments & Non-Default Data

- Project Characteristics - 2015 EF from eGrid and PG&E
- Vehicle Trips - Employee and passenger
- Energy Use - Re-weighted per project specific consumption
- Water And Wastewater - Gallons per project specific data
- Fleet Mix - Re-weighted to LDA/LDT/MCY
- Stationary Sources - Emergency Generators and Fire Pumps - Back Up Generators

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	31,506.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	94,517.00	0.00
tblArchitecturalCoating	ConstArea_Parking	29,760.00	0.00
tblAreaCoating	Area_Nonresidential_Exterior	31506	32457
tblAreaCoating	Area_Nonresidential_Interior	94517	97370
tblAreaCoating	Area_Parking	29760	34584
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	3.08	10.47
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.70	12.58
tblEnergyUse	NT24NG	6.67	1.16

tblEnergyUse	T24E	1.48	5.03
tblEnergyUse	T24NG	19.71	3.44
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.58	0.71
tblFleetMix	LDA	0.58	0.71
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.19	0.23
tblFleetMix	LDT2	0.19	0.23
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	4.8780e-003	0.00
tblFleetMix	LHD2	4.8780e-003	0.00
tblFleetMix	MCY	5.4870e-003	6.0000e-003
tblFleetMix	MCY	5.4870e-003	6.0000e-003
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.4700e-004	0.00
tblFleetMix	MH	9.4700e-004	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	1.9090e-003	0.00
tblFleetMix	OBUS	1.9090e-003	0.00
tblFleetMix	SBUS	5.8400e-004	0.00
tblFleetMix	SBUS	5.8400e-004	0.00
tblFleetMix	UBUS	1.7450e-003	0.00
tblFleetMix	UBUS	1.7450e-003	0.00
tblLandUse	LandUseSquareFeet	63,010.00	63,011.00
tblOffRoadEquipment	HorsePower	78.00	0.00
tblOffRoadEquipment	LoadFactor	0.48	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.033
tblProjectCharacteristics	CO2IntensityFactor	641.35	391
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	VendorTripLength	7.30	0.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripNumber	47.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	40.12
tblVehicleTrips	SU_TR	0.68	40.12
tblVehicleTrips	WD_TR	6.97	40.12
tblWater	IndoorWaterUseRate	14,571,062.50	3,712,164.00

tblWater	OutdoorWaterUseRate	0.00	1,887,631.00
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2.0 Emissions Summary

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Area	0.3253	1.20E-04	0.0124	0		4.00E-05	4.00E-05		4.00E-05	4.00E-05	0	0.0233	0.0233	7.00E-05	0	0.025
Energy	1.56E-03	0.0142	0.0119	9.00E-05		1.08E-03	1.08E-03		1.08E-03	1.08E-03	0	329.3988	329.3988	0.0268	3.50E-03	331.1101
Mobile	1.1026	1.4854	15.4377	0.0305	2.8999	0.0192	2.9191	0.7706	0.0177	0.7883	0	2,744.83	2,744.83	0.1163	0	2,747.74
Stationary	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Waste						0	0		0	0	15.8597	0	15.8597	0.9373	0	39.2917
Water						0	0		0	0	1.1777	4.7342	5.9119	0.1214	2.90E-03	9.8114
Total	1.4734	1.6964	15.5741	0.0308	2.8999	0.0268	2.9267	0.7706	0.0253	0.7959	17.0374	3,099.40	3,116.44	1.2047	6.40E-03	3,148.46

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	2,527.96	2,527.96	2527.96	7,911,689	7,911,689
Parking Lot	0.00	0.00	0.00		
Total	2,527.96	2,527.96	2,527.96	7,911,689	7,911,689

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
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.706	0.054	0.234	0	0	0	0	0	0	0	0.006	0	0
Parking Lot	0.706	0.054	0.234	0	0	0	0	0	0	0	0.006	0	0

5.0 Energy Detail

Historical Energy Use: N

5.2 Energy by Land Use - NaturalGas

Land Use	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
	kBTU/yr	tons/yr										MT/yr					
General Light Industry	289943	1.56E-03	0.0142	0.0119	9.00E-05		1.08E-03	1.08E-03		1.08E-03	1.08E-03	0	15.4725	15.4725	3.00E-04	2.80E-04	15.5644

Parking Lot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total		1.56E-03	0.0142	0.0119	9.00E-05		1.08E-03	1.08E-03		1.08E-03	1.08E-03	0	15.4725	15.4725	3.00E-04	2.80E-04	15.5644

5.3 Energy by Land Use - Electricity

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.77E+06	313.9263	0.0265	3.21E-03	315.5457
Parking Lot	0	0	0	0	0
Total		313.9263	0.0265	3.21E-03	315.5457

6.0 Area Detail

	ROG	NOx	CO	SO2	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	0.0459					0	0		0	0	0	0	0	0	0	0
Consumer	0.2782					0	0		0	0	0	0	0	0	0	0
Landscaping	1.22E-03	1.20E-04	0.0124	0		4.00E-05	4.00E-05		4.00E-05	4.00E-05	0	0.0233	0.0233	7.00E-05	0	0.025
Total	0.3252	1.20E-04	0.0124	0		4.00E-05	4.00E-05		4.00E-05	4.00E-05	0	0.0233	0.0233	7.00E-05	0	0.025

7.0 Water Detail

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	3.71216 / 1.88763	5.9119	0.1214	2.9000e-003	9.8114
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		5.9119	0.1214	2.9000e-	9.8114

8.0 Waste Detail

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	78.13	15.8597	0.9373	0.0000	39.2917
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		15.8597	0.9373	0.0000	39.2917

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	50	1072	0.73	Diesel

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Total	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823

Existing MOWS - Merced County, Annual

**Existing MOWS
Merced County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	155.10	1000sqft	3.56	155,100.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	49
Climate Zone	3			Operational Year	2015
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	391	CH4 Intensity	0.033	N2O Intensity	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted for SB 350
 Vehicle Trips - Haul
 Operational Off-Road Equipment - Equipment provided by HSR
 Fleet Mix - Haul
 Stationary Sources - Emergency Generators and Fire Pumps - Back up generator

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	77,550.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	232,650.00	0.00
tblConstructionPhase	NumDays	18.00	0.00
tblFleetMix	HHD	0.14	1.00
tblFleetMix	LDA	0.44	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.16	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	6.7460e-003	0.00
tblFleetMix	MCY	7.2850e-003	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	9.8300e-004	0.00

tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.3290e-003	0.00
tblFleetMix	SBUS	1.7290e-003	0.00
tblFleetMix	UBUS	2.9320e-003	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.033
tblProjectCharacteristics	CO2IntensityFactor	641.35	391
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	1,072.82
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	1.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblVehicleTrips	CC_TL	7.30	120.00
tblVehicleTrips	CNW_TL	7.30	120.00
tblVehicleTrips	CW_TL	9.50	120.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	0.13
tblVehicleTrips	SU_TR	0.68	0.13
tblVehicleTrips	WD_TR	6.97	0.13

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7137	1.00E-05	1.47E-03	0		1.00E-05	1.00E-05		1.00E-05	1.00E-05	0	2.77E-03	2.77E-03	1.00E-05	0	2.97E-03
Energy	0.0175	0.1587	0.1333	9.50E-04		0.0121	0.0121		0.0121	0.0121	0	415.3532	415.3532	0.0238	5.65E-03	417.6313
Mobile	0.2677	6.7231	1.1797	0.016	0.3758	0.0775	0.4533	0.1033	0.0742	0.1775	0	1,525.30	1,525.30	0.0354	0	1,526.19
Stationary	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Waste						0	0		0	0	39.0392	0	39.0392	2.3072	0	96.718
Water						0	0		0	0	11.3789	34.4202	45.7991	1.1716	0.028	83.4184
Total	1.0429	7.08E+00	1.43E+00	1.72E-02	3.76E-01	9.61E-02	4.72E-01	1.03E-01	9.28E-02	1.96E-01	5.04E+01	2.00E+03	2.05E+03	3.54E+00	3.37E-02	2.14E+03

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	20.16	20.16	20.16	880,720	880,720
Total	20.16	20.16	20.16	880,720	880,720

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
General Light Industry	120.00	120.00	120.00	59.00	28.00	13.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0	0	0	0	0	0	0	1	0	0	0	0	0

5.0 Energy Detail

Historical Energy Use: N

5.2 Energy by Land Use - NaturalGas

Land Use	NaturalGas Use kBTU/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
		tons/yr										MT/yr					
General Light Industry	3.24E+06	0.0175	0.1587	0.1333	9.50E-04		0.0121	0.0121		0.0121	0.0121	0	172.7353	172.7353	3.31E-03	3.17E-03	173.7618
Total		0.0175	0.1587	0.1333	9.50E-04		0.0121	0.0121		0.0121	0.0121	0	172.7353	172.7353	3.31E-03	3.17E-03	173.7618

5.3 Energy by Land Use - Electricity

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
		MT/yr			
General Light Industry	1.37E+06	242.6179	0.0205	2.4800e-003	243.8695
Total		242.6179	0.0205	2.4800e-003	243.8695

6.0 Area Detail

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Architectural Coating	0.1078					0	0		0	0	0	0	0	0	0	0
Consumer Products	0.6057					0	0		0	0	0	0	0	0	0	0
Landscaping	1.50E-04	1.00E-05	1.47E-03	0		1.00E-05	1.00E-05		1.00E-05	1.00E-05	0	2.77E-03	2.77E-03	1.00E-05	0	2.97E-03
Total	0.7137	1.00E-05	1.47E-03	0		1.00E-05	1.00E-05		1.00E-05	1.00E-05	0	2.77E-03	2.77E-03	1.00E-05	0	2.97E-03

7.0 Water Detail

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	35.8669 / 0	45.7991	1.1716	0.0280	83.4184
Total		45.7991	1.1716	0.0280	83.4184

8.0 Waste Detail

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	192.32	39.0392	2.3072	0.0000	96.7180
Total		39.0392	2.3072	0.0000	96.7180

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	50	1072.82	0.73	Diesel

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Total	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823

Existing MOWF - Santa Clara County, Annual

**Existing MOWF
Santa Clara County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	132.50	1000sqft	3.04	132,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2015
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	391	CH4 Intensity	0.033	N2O Intensity	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted for SB 350
 Vehicle Trips - Employee + haul (trip distance weighted based on H-W employee miles + 120 haul truck miles)
 Fleet Mix - Reweighted for LDA/LDT/MCY/HHD
 Stationary Sources - Emergency Generators and Fire Pumps - Back Up Generators

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	66,250.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	198,750.00	0.00
tblConstructionPhase	NumDays	18.00	0.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.58	0.69
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.19	0.23
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	4.8780e-003	0.00
tblFleetMix	MCY	5.4870e-003	7.0000e-003
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	9.4700e-004	0.00
tblFleetMix	MHD	0.01	0.00

tblFleetMix	OBUS	1.9090e-003	0.00
tblFleetMix	SBUS	5.8400e-004	0.00
tblFleetMix	UBUS	1.7450e-003	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.033
tblProjectCharacteristics	CO2IntensityFactor	641.35	391
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	WorkerTripNumber	11.00	0.00
tblVehicleTrips	CC_TL	7.30	15.45
tblVehicleTrips	CNW_TL	7.30	15.45
tblVehicleTrips	CW_TL	9.50	15.45
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	3.55
tblVehicleTrips	SU_TR	0.68	3.55
tblVehicleTrips	WD_TR	6.97	3.55

2.0 Emissions Summary

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Area	0.5867	1.00E-05	1.26E-03	0		0	0		0	0	0	2.37E-03	2.37E-03	1.00E-05	0	2.54E-03
Energy	0.0189	0.1713	0.1439	1.03E-03		0.013	0.013		0.013	0.013	0	380.631	380.631	0.02	5.41E-03	382.7407
Mobile	0.2935	1.0823	4.784	0.011	0.9726	0.0118	0.9845	0.2587	0.0111	0.2698	0	1,000.89	1,000.89	0.0432	0	1,001.97
Stationary	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Waste						0	0		0	0	33.3514	0	33.3514	1.971	0	82.6267
Water						0	0		0	0	9.7209	29.4048	39.1256	1.0009	0.0239	71.2633
Total	0.943	1.4504	5.0414	0.0123	0.9726	0.0313	1.004	0.2587	0.0306	0.2893	43.0723	1,431.34	1,474.41	3.038	0.0293	1,559.09

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	470.38	470.38	470.38	2,645,295	2,645,295
Total	470.38	470.38	470.38	2,645,295	2,645,295

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
General Light Industry	15.45	15.45	15.45	59.00	28.00	13.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.690000	0.053000	0.229000	0.000000	0.000000	0.000000	0.000000	0.021000	0.000000	0.000000	0.007000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.2 Energy by Land Use - NaturalGas

Land Use	NaturalGas Use kBtu/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
		tons/yr										MT/yr					
General Light Industry	3.50E+06	0.0189	0.1713	0.1439	1.03E-03		0.013	0.013		0.013	0.013	0	186.5252	186.5252	3.58E-03	3.42E-03	187.6336
Total		0.0189	0.1713	0.1439	1.03E-03		0.013	0.013		0.013	0.013	0	186.5252	186.5252	3.58E-03	3.42E-03	187.6336

5.3 Energy by Land Use - Electricity

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
		MT/yr			
General Light Industry	1.09E+06	194.1058	0.0164	1.99E-03	195.1071
Total		194.1058	0.0164	1.99E-03	195.1071

6.0 Area Detail

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Architectural Coating	0.0691					0	0		0	0	0	0	0	0	0	0
Consumer Products	0.5175					0	0		0	0	0	0	0	0	0	0
Landscaping	1.20E-04	1.00E-05	1.26E-03	0		0	0		0	0	0	2.37E-03	2.37E-03	1.00E-05	0	2.54E-03
Total	0.5867	1.00E-05	1.26E-03	0		0	0		0	0	0	2.37E-03	2.37E-03	1.00E-05	0	2.54E-03

7.0 Water Detail

Land Use	Indoor/Outdoor Use Mgal	Total CO2	CH4	N2O	CO2e
		MT/yr			
General Light Industry	30.6406 / 0	39.1256	1.0009	0.0239	71.2633
Total		39.1256	1.0009	0.0239	71.2633

8.0 Waste Detail

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	164.3	33.3514	1.9710	0.0000	82.6267
Total		33.3514	1.9710	0.0000	82.6267

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	50	1072	0.73	Diesel

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Total	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	22.20	1000sqft	0.51	22,205.00	0
Parking Lot	581.00	Space	5.23	232,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2040
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	149.1428571	CH4 Intensity	0.018317797	N2O Intensity	0.002220339

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - Electricity EF adjusted for SB 350
- Vehicle Trips - Employee and passenger
- Energy Use - Re-weighted per project specific consumption
- Water And Wastewater - Gallons per project specific data
- Fleet Mix - Re-weighted to LDA/LDT/MCY
- Stationary Sources - Emergency Generators and Fire Pumps - Back Up Generators

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	11,103.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	33,308.00	0.00
tblArchitecturalCoating	ConstArea_Parking	13,944.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	3.08	10.47
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.70	12.58
tblEnergyUse	NT24NG	6.67	1.16
tblEnergyUse	T24E	1.48	5.03
tblEnergyUse	T24NG	19.71	3.44

tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.62	0.74
tblFleetMix	LDA	0.62	0.74
tblFleetMix	LDT1	0.03	0.04
tblFleetMix	LDT1	0.03	0.04
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.1260e-003	0.00
tblFleetMix	LHD2	5.1260e-003	0.00
tblFleetMix	MCY	5.0770e-003	6.0000e-003
tblFleetMix	MCY	5.0770e-003	6.0000e-003
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MH	6.4200e-004	0.00
tblFleetMix	MH	6.4200e-004	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	2.2990e-003	0.00
tblFleetMix	OBUS	2.2990e-003	0.00
tblFleetMix	SBUS	6.5300e-004	0.00
tblFleetMix	SBUS	6.5300e-004	0.00
tblFleetMix	UBUS	1.4220e-003	0.00
tblFleetMix	UBUS	1.4220e-003	0.00
tblLandUse	LandUseSquareFeet	22,200.00	22,205.00
tblOffRoadEquipment	HorsePower	78.00	0.00
tblOffRoadEquipment	LoadFactor	0.48	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.0183177966101695
tblProjectCharacteristics	CO2IntensityFactor	641.35	149.142857142857
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.00222033898305085
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	VendorTripLength	7.30	0.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripNumber	21.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	193.47
tblVehicleTrips	SU_TR	0.68	193.47
tblVehicleTrips	WD_TR	6.97	193.47
tblWater	IndoorWaterUseRate	5,133,750.00	1,308,162.00
tblWater	OutdoorWaterUseRate	0.00	665,199.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1187	5.00E-05	5.51E-03	0		2.00E-05	2.00E-05		2.00E-05	2.00E-05	0	0.0108	0.0108	3.00E-05	0	0.0115
Energy	5.50E-04	5.01E-03	4.21E-03	3.00E-05		3.80E-04	3.80E-04		3.80E-04	3.80E-04	0	47.6501	47.6501	5.29E-03	7.30E-04	47.9993
Mobile	0.4489	0.4239	6.3058	0.0268	4.927	0.0118	4.9388	1.3092	0.0109	1.3201	0	2,429.11	2,429.11	0.0575	0	2,430.55
Stationary	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Waste						0	0		0	0	5.5883	0	5.5883	0.3303	0	13.8449
Water						0	0		0	0	0.415	0.6364	1.0514	0.0427	1.02E-03	2.4218
Total	0.6121	0.6257	6.4276	0.0271	4.927	0.0187	4.9456	1.3092	0.0177	1.3269	6.0034	2,497.82	2,503.82	0.4386	1.75E-03	2,515.31

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	4,295.03	4,295.03	4295.03	13,442,043	13,442,043
Parking Lot	0.00	0.00	0.00		
Total	4,295.03	4,295.03	4,295.03	13,442,043	13,442,043

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
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.741000	0.040000	0.213000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006000	0.000000	0.000000
Parking Lot	0.741000	0.040000	0.213000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.2 Energy by Land Use - NaturalGas

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					

General Light Industry	102176	5.50E-04	5.01E-03	4.21E-03	3.00E-05		3.80E-04	3.80E-04		3.80E-04	3.80E-04	0	5.4525	5.4525	1.00E-04	1.00E-04	5.4849
Parking Lot	0	0	0	0	0		0	0		0	0	0	0	0	0	0	0
Total		5.50E-04	5.01E-03	4.21E-03	3.00E-05		3.80E-04	3.80E-04		3.80E-04	3.80E-04	0	5.4525	5.4525	1.00E-04	1.00E-04	5.4849

5.3 Energy by Land Use - Electricity

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	623763	42.1976	5.18E-03	6.30E-04	42.5144
Parking Lot	0	0	0	0	0
Total		42.1976	5.18E-03	6.30E-04	42.5144

6.0 Area Detail

	ROG	NOx	CO	SO2	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	0.0164					0	0		0	0	0	0	0	0	0	0
Consumer Products	0.1017					0	0		0	0	0	0	0	0	0	0
Landscaping	5.00E-04	5.00E-05	5.51E-03	0		2.00E-05	2.00E-05		2.00E-05	2.00E-05	0	0.0108	0.0108	3.00E-05	0	0.0115
Total	0.1187	5.00E-05	5.51E-03	0		2.00E-05	2.00E-05		2.00E-05	2.00E-05	0	0.0108	0.0108	3.00E-05	0	0.0115

7.0 Water Detail

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	1.30816 / 0.665199	1.0514	0.0427	1.0200e-003	2.4218
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		1.0514	0.0427	1.0200e-003	2.4218

8.0 Waste Detail

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	27.53	5.5883	0.3303	0.0000	13.8449
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		5.5883	0.3303	0.0000	13.8449

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	50	1072	0.73	Diesel

Equipment Type	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Total	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	99.29	1000sqft	2.28	99,289.00	0
Parking Lot	635.00	Space	5.71	254,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2040
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	149.14	CH4 Intensity	0.018	N2O Intensity	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Electricity EF adjusted for SB 350
 Vehicle Trips - Employee and passenger
 Energy Use - Re-weighted per project specific consumption
 Water And Wastewater - Gallons per project specific data
 Fleet Mix - Re-weighted to LDA/LDT/MCY
 Stationary Sources - Emergency Generators and Fire Pumps - Back Up Generators

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	49,645.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	148,934.00	0.00
tblArchitecturalCoating	ConstArea_Parking	15,240.00	0.00
tblAreaCoating	Area_Nonresidential_Exterior	49645	11103
tblAreaCoating	Area_Nonresidential_Interior	148934	33308
tblAreaCoating	Area_Parking	15240	13944
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	3.08	10.47
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.70	12.58

tblEnergyUse	NT24NG	6.67	1.16
tblEnergyUse	T24E	1.48	5.03
tblEnergyUse	T24NG	19.71	3.44
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.62	0.74
tblFleetMix	LDA	0.62	0.74
tblFleetMix	LDT1	0.03	0.04
tblFleetMix	LDT1	0.03	0.04
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.1260e-003	0.00
tblFleetMix	LHD2	5.1260e-003	0.00
tblFleetMix	MCY	5.0770e-003	6.0000e-003
tblFleetMix	MCY	5.0770e-003	6.0000e-003
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MH	6.4200e-004	0.00
tblFleetMix	MH	6.4200e-004	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	2.2990e-003	0.00
tblFleetMix	OBUS	2.2990e-003	0.00
tblFleetMix	SBUS	6.5300e-004	0.00
tblFleetMix	SBUS	6.5300e-004	0.00
tblFleetMix	UBUS	1.4220e-003	0.00
tblFleetMix	UBUS	1.4220e-003	0.00
tblLandUse	LandUseSquareFeet	99,290.00	99,289.00
tblOffRoadEquipment	HorsePower	78.00	0.00
tblOffRoadEquipment	LoadFactor	0.48	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.018
tblProjectCharacteristics	CO2IntensityFactor	641.35	149.14
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.002
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	VendorTripLength	7.30	0.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	100.84
tblVehicleTrips	SU_TR	0.68	100.84

tblVehicleTrips	WD_TR	6.97	100.84
tblWater	IndoorWaterUseRate	22,960,812.50	5,849,408.00
tblWater	OutdoorWaterUseRate	0.00	2,974,418.00

2.0 Emissions Summary

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Area	0.4212	6.00E-05	6.70E-03	0		2.00E-05	2.00E-05		2.00E-05	2.00E-05	0	0.0131	0.0131	3.00E-05	0	0.014
Energy	2.46E-03	0.0224	0.0188	1.30E-04		1.70E-03	1.70E-03		1.70E-03	1.70E-03	0	212.98	212.98	0.0232	2.98E-03	214.4476
Mobile	1.0464	0.9882	14.6993	0.0625	11.4852	0.0275	11.5127	3.0518	0.0253	3.0771	0	5,662.47	5,662.47	0.134	0	5,665.82
Stationary	0.1319	0.59	0.3364	6.30E-04		0.0194	0.0194		0.0194	0.0194	0	61.2322	61.2322	8.58E-03	0	61.4468
Waste						0	0		0	0	24.9923	0	24.9923	1.477	0	61.9172
Water						0	0		0	0	1.8558	2.8454	4.7012	0.191	4.54E-03	10.8274
Total	1.602	1.6007	15.0612	0.0633	11.4852	0.0486	11.5338	3.0518	0.0464	3.0983	26.848	5,939.54	5,966.39	1.8338	7.52E-03	6,014.48

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	10,012.10	10,012.10	10,012.10	31,334,592	31,334,592
Parking Lot	0.00	0.00	0.00		
Total	10,012.10	10,012.10	10,012.10	31,334,592	31,334,592

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
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.741000	0.040000	0.213000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006000	0.000000	0.000000
Parking Lot	0.741000	0.040000	0.213000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.2 Energy by Land Use - NaturalGas

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	456729	2.46E-03	0.0224	0.0188	1.30E-04		1.70E-03	1.70E-03		1.70E-03	1.70E-03	0	24.3728	24.3728	4.70E-04	4.50E-04	24.5177
Parking Lot	0	0	0	0	0		0	0		0	0	0	0	0	0	0	0
Total		2.46E-03	0.0224	0.0188	1.30E-04		1.70E-03	1.70E-03		1.70E-03	1.70E-03	0	24.3728	24.3728	4.70E-04	4.50E-04	24.5177

5.3 Energy by Land Use - Electricity

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	2.78804e+006	188.6071	0.0228	2.5300e-003	189.9299
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		188.6071	0.0228	2.5300e-003	189.9299

6.0 Area Detail

	ROG	NOx	CO	SO2	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	0.0164					0	0		0	0	0	0	0	0	0	0
Consumer Products	0.4042					0	0		0	0	0	0	0	0	0	0
Landscaping	6.10E-04	6.00E-05	6.70E-03	0		2.00E-05	2.00E-05		2.00E-05	2.00E-05	0	0.0131	0.0131	3.00E-05	0	0.014
Total	0.4212	6.00E-05	6.70E-03	0		2.00E-05	2.00E-05		2.00E-05	2.00E-05	0	0.0131	0.0131	3.00E-05	0	0.014

7.0 Water Detail

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	5.84941 / 2.97442	4.7012	0.1910	4.5400e-003	10.8274
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		4.7012	0.1910	4.5400e-003	10.8274

8.0 Waste Detail

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	123.12	24.9923	1.4770	0.0000	61.9172

Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		24.9923	1.4770	0.0000	61.9172

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	3	1	50	1072	0.73	Diesel

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.1319	0.59	0.3364	6.30E-04		0.0194	0.0194		0.0194	0.0194	0	61.2322	61.2322	8.58E-03	0	61.4468
Total	0.1319	0.59	0.3364	6.30E-04		0.0194	0.0194		0.0194	0.0194	0	61.2322	61.2322	8.58E-03	0	61.4468

Horizon Downtown Gilroy Station - Santa Clara County, Annual

**Horizon Downtown Gilroy Station
Santa Clara County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	2.64	1000sqft	0.06	2,641.00	0
Parking Lot	471.00	Space	4.24	188,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2040
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	149.14	CH4 Intensity	0.018	N2O Intensity	0.002

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - Electricity EF adjusted for SB 350
- Vehicle Trips - Employee and passenger
- Energy Use - Re-weighted per project specific consumption
- Water And Wastewater - Gallons per project specific data
- Fleet Mix - Re-weighted to LDA/LDT/MCY
- Stationary Sources - Emergency Generators and Fire Pumps - Back Up Generators

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	1,321.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	3,962.00	0.00
tblArchitecturalCoating	ConstArea_Parking	11,304.00	0.00
tblConstructionPhase	NumDays	18.00	0.00
tblEnergyUse	LightingElect	3.08	0.71
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.70	0.86
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	T24E	1.48	0.34
tblEnergyUse	T24NG	19.71	0.00
tblFleetMix	HHD	0.02	0.00

tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.62	0.74
tblFleetMix	LDA	0.62	0.74
tblFleetMix	LDT1	0.03	0.04
tblFleetMix	LDT1	0.03	0.04
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.1260e-003	0.00
tblFleetMix	LHD2	5.1260e-003	0.00
tblFleetMix	MCY	5.0770e-003	6.0000e-003
tblFleetMix	MCY	5.0770e-003	6.0000e-003
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MH	6.4200e-004	0.00
tblFleetMix	MH	6.4200e-004	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	2.2990e-003	0.00
tblFleetMix	OBUS	2.2990e-003	0.00
tblFleetMix	SBUS	6.5300e-004	0.00
tblFleetMix	SBUS	6.5300e-004	0.00
tblFleetMix	UBUS	1.4220e-003	0.00
tblFleetMix	UBUS	1.4220e-003	0.00
tblLandUse	LandUseSquareFeet	2,640.00	2,641.00
tblOffRoadEquipment	HorsePower	78.00	0.00
tblOffRoadEquipment	LoadFactor	0.48	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.018
tblProjectCharacteristics	CO2IntensityFactor	641.35	149.14
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.002
tblTripsAndVMT	WorkerTripNumber	16.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	130.25
tblVehicleTrips	SU_TR	0.68	130.25
tblVehicleTrips	WD_TR	6.97	130.25
tblWater	IndoorWaterUseRate	610,500.00	88,328.00
tblWater	OutdoorWaterUseRate	0.00	41,672.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Area	Energy	Mobile	Stationary	Waste	Water	Total	Area	Energy	Mobile	Stationary	Waste	Water	Total		
Area	0.0282	4.00E-05	4.32E-03	0	2.00E-05	2.00E-05	2.00E-05	2.00E-05	0	8.46E-03	8.46E-03	2.00E-05	0	9.01E-03		
Energy	0	0	0	0	0	0	0	0	0	0.341	0.341	4.00E-05	0	0.3434		
Mobile	0.0359	0.0339	0.5049	2.15E-03	0.3945	9.40E-04	0.3954	0.1048	8.70E-04	0.1057	0	194.48	194.48	4.60E-03	0	194.595
Stationary	0.044	0.1967	0.1121	2.10E-04	6.47E-03	6.47E-03	6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823		
Waste					0	0	0	0	0.6638	0	0.6638	0.0392	0	1.6445		
Water					0	0	0	0	0.028	0.0422	0.0702	2.88E-03	7.00E-05	0.1627		
Total	0.1081	0.2307	0.6213	2.36E-03	0.3945	7.43E-03	0.4019	0.1048	7.36E-03	0.1122	0.6918	215.2824	215.9742	0.0496	7.00E-05	217.2369

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	343.87	343.87	343.87	1,076,200	1,076,200
Parking Lot	0.00	0.00	0.00		
Total	343.87	343.87	343.87	1,076,200	1,076,200

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
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.741000	0.040000	0.213000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006000	0.000000	0.000000
Parking Lot	0.741000	0.040000	0.213000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.2 Energy by Land Use - Natural Gas

Land Use	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	kBTU/yr	tons/yr										MT/yr					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	5041	0.3410	4.0000e-005	0.0000	0.3434
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.3410	4.0000e-005	0.0000	0.3434

6.0 Area Detail

	ROG	NOx	CO	SO2	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	5.31E-03					0	0		0	0	0	0	0	0	0	0
Consumer Products	0.0225					0	0		0	0	0	0	0	0	0	0
Landscaping	4.00E-04	4.00E-05	4.32E-03	0		2.00E-05	2.00E-05		2.00E-05	2.00E-05	0	8.46E-03	8.46E-03	2.00E-05	0	9.01E-03
Total	0.0282	4.00E-05	4.32E-03	0		2.00E-05	2.00E-05		2.00E-05	2.00E-05	0	8.46E-03	8.46E-03	2.00E-05	0	9.01E-03

7.0 Water Detail

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0.088328 / 0.041672	0.0702	2.8800e-003	7.0000e-005	0.1627
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0702	2.8800e-003	7.0000e-005	0.1627

8.0 Waste Detail

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	3.27	0.6638	0.0392	0	1.6445
Parking Lot	0	0	0	0	0
Total		0.6638	0.0392	0	1.6445

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	50	1072	0.73	Diesel

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Total	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	64.91	1000sqft	1.49	64,913.00	0
Parking Lot	1,441.00	Space	12.97	576,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2040
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	149.14	CH4 Intensity	0.018	N2O Intensity	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Electricity EF adjusted for SB 350
 Vehicle Trips - Employee and passenger
 Energy Use - Re-weighted per project specific consumption
 Water And Wastewater - Gallons per project specific data
 Fleet Mix - Re-weighted to LDA/LDT/MCY
 Stationary Sources - Emergency Generators and Fire Pumps - Back Up Generators

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	32,457.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	97,370.00	0.00
tblArchitecturalCoating	ConstArea_Parking	34,584.00	0.00
tblAreaCoating	Area_Nonresidential_Exterior	32457	49645
tblAreaCoating	Area_Nonresidential_Interior	97370	148934
tblAreaCoating	Area_Parking	34584	15240
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	3.08	10.47
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.70	12.58
tblEnergyUse	NT24NG	6.67	1.16
tblEnergyUse	T24E	1.48	5.03

tblEnergyUse	T24NG	19.71	3.44
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.62	0.74
tblFleetMix	LDA	0.62	0.74
tblFleetMix	LDT1	0.03	0.04
tblFleetMix	LDT1	0.03	0.04
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.1260e-003	0.00
tblFleetMix	LHD2	5.1260e-003	0.00
tblFleetMix	MCY	5.0770e-003	6.0000e-003
tblFleetMix	MCY	5.0770e-003	6.0000e-003
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MH	6.4200e-004	0.00
tblFleetMix	MH	6.4200e-004	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	2.2990e-003	0.00
tblFleetMix	OBUS	2.2990e-003	0.00
tblFleetMix	SBUS	6.5300e-004	0.00
tblFleetMix	SBUS	6.5300e-004	0.00
tblFleetMix	UBUS	1.4220e-003	0.00
tblFleetMix	UBUS	1.4220e-003	0.00
tblLandUse	LandUseSquareFeet	64,910.00	64,913.00
tblOffRoadEquipment	HorsePower	78.00	0.00
tblOffRoadEquipment	LoadFactor	0.48	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.018
tblProjectCharacteristics	CO2IntensityFactor	641.35	149.14
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.002
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	VendorTripLength	7.30	0.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripNumber	54.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	110.27
tblVehicleTrips	SU_TR	0.68	110.27
tblVehicleTrips	WD_TR	6.97	110.27
tblWater	IndoorWaterUseRate	15,010,437.50	3,824,216.00
tblWater	OutdoorWaterUseRate	0.00	1,944,610.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3491	1.20E-04	0.0138	0		5.00E-05	5.00E-05		5.00E-05	5.00E-05	0	0.0269	0.0269	7.00E-05	0	0.0286
Energy	1.61E-03	0.0146	0.0123	9.00E-05		1.11E-03	1.11E-03		1.11E-03	1.11E-03	0	139.2417	139.2417	0.0152	1.95E-03	140.2012
Mobile	0.7481	0.7064	10.5085	0.0447	8.2108	0.0197	8.2304	2.1818	0.0181	2.1999	0	4,048.11	4,048.11	0.0958	0	4,050.51
Stationary	0.088	0.3934	0.2243	4.20E-04		0.0129	0.0129		0.0129	0.0129	0	40.8215	40.8215	5.72E-03	0	40.9645
Waste						0	0		0	0	16.3387	0	16.3387	0.9656	0	40.4785
Water						0	0		0	0	1.2133	1.8603	3.0735	0.1248	2.97E-03	7.0787
Total	1.1868	1.1146	10.7589	0.0452	8.2108	0.0338	8.2445	2.1818	0.0322	2.214	17.552	4,230.06	4,247.61	1.2072	4.92E-03	4,279.26

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	7,157.67	7,157.67	7157.67	22,401,157	22,401,157
Parking Lot	0.00	0.00	0.00		
Total	7,157.67	7,157.67	7,157.67	22,401,157	22,401,157

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
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.741000	0.040000	0.213000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006000	0.000000	0.000000
Parking Lot	0.741000	0.040000	0.213000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.2 Energy by Land Use - Natural Gas

Land Use	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive PM2.5	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	kBTU/yr	tons/yr										MT/yr					
General Light Industry	298600	1.61E-03	0.0146	0.0123	9.00E-05		1.11E-03	1.11E-03		1.11E-03	1.11E-03	0	15.9344	15.9344	3.10E-04	2.90E-04	16.0291
Parking Lot	0	0	0	0	0		0	0		0	0	0	0	0	0	0	0
Total		1.61E-03	0.0146	0.0123	9.00E-05		1.11E-03	1.11E-03		1.11E-03	1.11E-03	0	15.9344	15.9344	3.10E-04	2.90E-04	16.0291

5.3 Energy by Land Use - Electricity

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.82E+06	123.3073	0.0149	1.65E-03	124.1721
Parking Lot	0	0	0	0	0
Total		123.3073	0.0149	1.65E-03	124.1721

6.0 Area Detail

	ROG	NOx	CO	SO2	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	0.0571					0	0		0	0	0	0	0	0	0	0
Consumer Products	0.2908					0	0		0	0	0	0	0	0	0	0
Landscaping	1.26E-03	1.20E-04	0.0138	0		5.00E-05	5.00E-05		5.00E-05	5.00E-05	0	0.0269	0.0269	7.00E-05	0	0.0286
Total	0.3491	1.20E-04	0.0138	0		5.00E-05	5.00E-05		5.00E-05	5.00E-05	0	0.0269	0.0269	7.00E-05	0	0.0286

7.0 Water Detail

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	3.82422 / 1.94461	3.0735	0.1248	2.9700e-003	7.0787
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		3.0735	0.1248	2.9700e-003	7.0787

8.0 Waste Detail

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	80.49	16.3387	0.9656	0	40.4785
Parking Lot	0	0	0	0	0
Total		16.3387	0.9656	0	40.4785

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	1	50	1072	0.73	Diesel

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.088	0.3934	0.2243	4.20E-04		0.0129	0.0129		0.0129	0.0129	0	40.8215	40.8215	5.72E-03	0	40.9645
Total	0.088	0.3934	0.2243	4.20E-04		0.0129	0.0129		0.0129	0.0129	0	40.8215	40.8215	5.72E-03	0	40.9645

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	63.01	1000sqft	1.45	63,011.00	0
Parking Lot	1,240.00	Space	11.16	496,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2040
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	149.14	CH4 Intensity	0.018	N2O Intensity	0.002

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - Electricity EF adjusted for SB 350
- Vehicle Trips - Employee and passenger
- Energy Use - Re-weighted per project specific consumption
- Water And Wastewater - Gallons per project specific data
- Fleet Mix - Re-weighted to LDA/LDT/MCY
- Stationary Sources - Emergency Generators and Fire Pumps - Back Up Generators

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	31,506.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	94,517.00	0.00
tblArchitecturalCoating	ConstArea_Parking	29,760.00	0.00
tblAreaCoating	Area_Nonresidential_Exterior	31506	32457
tblAreaCoating	Area_Nonresidential_Interior	94517	97370
tblAreaCoating	Area_Parking	29760	34584
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	3.08	10.47
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.70	12.58

tblEnergyUse	NT24NG	6.67	1.16
tblEnergyUse	T24E	1.48	5.03
tblEnergyUse	T24NG	19.71	3.44
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.62	0.74
tblFleetMix	LDA	0.62	0.74
tblFleetMix	LDT1	0.03	0.04
tblFleetMix	LDT1	0.03	0.04
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LDT2	0.18	0.21
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.1260e-003	0.00
tblFleetMix	LHD2	5.1260e-003	0.00
tblFleetMix	MCY	5.0770e-003	6.0000e-003
tblFleetMix	MCY	5.0770e-003	6.0000e-003
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MH	6.4200e-004	0.00
tblFleetMix	MH	6.4200e-004	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	2.2990e-003	0.00
tblFleetMix	OBUS	2.2990e-003	0.00
tblFleetMix	SBUS	6.5300e-004	0.00
tblFleetMix	SBUS	6.5300e-004	0.00
tblFleetMix	UBUS	1.4220e-003	0.00
tblFleetMix	UBUS	1.4220e-003	0.00
tblLandUse	LandUseSquareFeet	63,010.00	63,011.00
tblOffRoadEquipment	HorsePower	78.00	0.00
tblOffRoadEquipment	LoadFactor	0.48	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.018
tblProjectCharacteristics	CO2IntensityFactor	641.35	149.14
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.002
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	VendorTripLength	7.30	0.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripNumber	47.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	127.88
tblVehicleTrips	SU_TR	0.68	127.88

tblVehicleTrips	WD_TR	6.97	127.88
tblWater	IndoorWaterUseRate	14,571,062.50	3,712,164.00
tblWater	OutdoorWaterUseRate	0.00	1,887,631.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3251	1.10E-04	0.0119	0		4.00E-05	4.00E-05		4.00E-05	4.00E-05	0	0.0233	0.0233	6.00E-05	0	0.0248
Energy	1.56E-03	0.0142	0.0119	9.00E-05		1.08E-03	1.08E-03		1.08E-03	1.08E-03	0	135.2141	135.2141	0.0148	1.89E-03	136.1458
Mobile	0.8422	0.7953	11.8302	0.0503	9.2434	0.0221	9.2656	2.4562	0.0204	2.4765	0	4,557.23	4,557.23	0.1079	0	4,559.93
Stationary	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Waste						0	0		0	0	15.8597	0	15.8597	0.9373	0	39.2917
Water						0	0		0	0	1.1777	1.8058	2.9835	0.1212	2.88E-03	6.8713
Total	1.2128	1.0063	11.9662	0.0506	9.2434	0.0297	9.2732	2.4562	0.028	2.4841	17.0374	4,714.69	4,731.73	1.184	4.77E-03	4,762.75

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	8,057.87	8,057.87	8057.87	25,218,497	25,218,497
Parking Lot	0.00	0.00	0.00		
Total	8,057.87	8,057.87	8,057.87	25,218,497	25,218,497

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
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.741000	0.040000	0.213000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006000	0.000000	0.000000
Parking Lot	0.741000	0.040000	0.213000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.2 Energy by Land Use - NaturalGas

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	289943	1.56E-03	0.0142	0.0119	9.00E-05		1.08E-03	1.08E-03		1.08E-03	1.08E-03	0	15.4725	15.4725	3.00E-04	2.80E-04	15.5644
Parking Lot	0	0	0	0	0		0	0		0	0	0	0	0	0	0	0
Total		1.56E-03	0.0142	0.0119	9.00E-05		1.08E-03	1.08E-03		1.08E-03	1.08E-03	0	15.4725	15.4725	3.00E-04	2.80E-04	15.5644

5.3 Energy by Land Use - Electricity

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.77E+06	119.7416	0.0145	1.61E-03	120.5814
Parking Lot	0	0	0	0	0
Total		119.7416	0.0145	1.61E-03	120.5814

6.0 Area Detail

	ROG	NOx	CO	SO2	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	0.0459					0	0		0	0	0	0	0	0	0	0
Consumer Products	0.2782					0	0		0	0	0	0	0	0	0	0
Landscaping	1.09E-03	1.10E-04	0.0119	0		4.00E-05	4.00E-05		4.00E-05	4.00E-05	0	0.0233	0.0233	6.00E-05	0	0.0248
Total	0.3251	1.10E-04	0.0119	0		4.00E-05	4.00E-05		4.00E-05	4.00E-05	0	0.0233	0.0233	6.00E-05	0	0.0248

7.0 Water Detail

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	3.71216 / 1.88763	2.9835	0.1212	2.8800e-003	6.8713
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		2.9835	0.1212	2.8800e-003	6.8713

8.0 Waste Detail

	Waste Disposed	Total CO2	CH4	N2O	CO2e

Land Use	tons	MT/yr			
General Light Industry	78.13	15.8597	0.9373	0.0000	39.2917
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		15.8597	0.9373	0.0000	39.2917

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	50	1072	0.73	Diesel

Equipment Type	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.0440	0.1967	0.1121	2.1000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003	0.0000	20.4107	20.4107	2.8600e-003	0.0000	20.4823
Total	0.0440	0.1967	0.1121	2.1000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003	0.0000	20.4107	20.4107	2.8600e-003	0.0000	20.4823

Horizon MOWS - Merced County, Annual

**Horizon MOWS
Merced County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	155.10	1000sqft	3.56	155,100.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	49
Climate Zone	3			Operational Year	2029
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	149.14	CH4 Intensity	0.018	N2O Intensity	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted for SB 350
 Vehicle Trips - Haul
 Fleet Mix - Haul
 Stationary Sources - Emergency Generators and Fire Pumps - Back up generator

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	77,550.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	232,650.00	0.00
tblConstructionPhase	NumDays	18.00	0.00
tblFleetMix	HHD	0.15	1.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.03	0.00
tblFleetMix	LDT2	0.16	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	3.4450e-003	0.00
tblFleetMix	MCY	5.5820e-003	0.00
tblFleetMix	MDV	0.09	0.00
tblFleetMix	MH	4.5000e-004	0.00
tblFleetMix	MHD	0.01	0.00

tblFleetMix	OBUS	2.3520e-003	0.00
tblFleetMix	SBUS	1.3580e-003	0.00
tblFleetMix	UBUS	1.6400e-003	0.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	2.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.018
tblProjectCharacteristics	CO2IntensityFactor	641.35	149.14
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.002
tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblVehicleTrips	CC_TL	7.30	120.00
tblVehicleTrips	CNW_TL	7.30	120.00
tblVehicleTrips	CW_TL	9.50	120.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	0.13
tblVehicleTrips	SU_TR	0.68	0.13
tblVehicleTrips	WD_TR	6.97	0.13

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7137	1.00E-05	1.42E-03	0		1.00E-05	1.00E-05		1.00E-05	1.00E-05	0	2.77E-03	2.77E-03	1.00E-05	0	2.95E-03
Energy	0.0175	0.1587	0.1333	9.50E-04		0.0121	0.0121		0.0121	0.0121	0	265.2776	265.2776	0.0145	4.41E-03	266.9531
Mobile	0.0821	1.6084	0.9546	0.0136	0.3751	5.21E-03	0.3803	0.1031	4.99E-03	0.1081	0	1,328.87	1,328.87	0.0525	0	1,330.19
Stationary	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Waste						0	0		0	0	39.0392	0	39.0392	2.3072	0	96.718
Water						0	0		0	0	11.3789	13.129	24.5079	1.1703	0.0278	62.0417
Total	0.8573	1.96E+00	1.20E+00	0.01476	0.3751	2.38E-02	3.99E-01	0.1031	2.36E-02	1.27E-01	50.4181	1,627.69	1,678.11	3.55E+00	0.03221	1,776.39

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	20.16	20.16	20.16	880,720	880,720
Total	20.16	20.16	20.16	880,720	880,720

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
General Light Industry	120.00	120.00	120.00	59.00	28.00	13.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.2 Energy by Land Use - NaturalGas

Land Use	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										M1/yr					
General Light Industry	3.24E+06	0.0175	0.1587	0.1333	9.5000e-004		0.0121	0.0121		0.0121	0.0121	0	172.7353	172.7353	3.31E-03	3.17E-03	173.7618
Total		0.0175	0.1587	0.1333	9.5000e-004		0.0121	0.0121		0.0121	0.0121	0	172.7353	172.7353	3.31E-03	3.17E-03	173.7618

5.3 Energy by Land Use - Electricity

Land Use	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	M1/yr			
General Light Industry	1.37E+06	92.5423	0.0112	1.24E-03	93.1913
Total		92.5423	0.0112	1.24E-03	93.1913

6.0 Area Detail

SubCategory	ROG	NOx	CO	SO2	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										M1/yr					
Architectural Coating	0.1078					0	0		0	0	0	0	0	0	0	0
Consumer Products	0.6057					0	0		0	0	0	0	0	0	0	0
Landscaping	1.30E-04	1.00E-05	1.42E-03	0		1.00E-05	1.00E-05		1.00E-05	1.00E-05	0	2.77E-03	2.77E-03	1.00E-05	0	2.95E-03
Total	0.7137	1.00E-05	1.42E-03	0		1.00E-05	1.00E-05		1.00E-05	1.00E-05	0	2.77E-03	2.77E-03	1.00E-05	0	2.95E-03

7.0 Water Detail

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	35.8669 / 0	24.5079	1.1703	0.0278	62.0417
Total		24.5079	1.1703	0.0278	62.0417

8.0 Waste Detail

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	192.32	39.0392	2.3072	0.0000	96.7180
Total		39.0392	2.3072	0.0000	96.7180

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	50	1072.82	0.73	Diesel

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Total	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823

Horizon MOWF - Santa Clara County, Annual

**Horizon MOWF
Santa Clara County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	132.50	1000sqft	3.04	132,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2040
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	149.14	CH4 Intensity	0.018	N2O Intensity	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted for SB 350
 Vehicle Trips - Employee + haul (trip distance weighted based on H-W employee miles + 120 haul truck miles)
 Fleet Mix - Reweighted for LDA/LDT/MCY/HHD
 Stationary Sources - Emergency Generators and Fire Pumps - Back Up Generator

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	66,250.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	198,750.00	0.00
tblConstructionPhase	NumDays	18.00	0.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.62	0.69
tblFleetMix	LDT1	0.03	0.05
tblFleetMix	LDT2	0.18	0.23
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.1260e-003	0.00
tblFleetMix	MCY	5.0770e-003	7.0000e-003
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MH	6.4200e-004	0.00
tblFleetMix	MHD	0.01	0.00

tblFleetMix	OBUS	2.2990e-003	0.00
tblFleetMix	SBUS	6.5300e-004	0.00
tblFleetMix	UBUS	1.4220e-003	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.018
tblProjectCharacteristics	CO2IntensityFactor	641.35	149.14
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.002
tblTripsAndVMT	WorkerTripNumber	11.00	0.00
tblVehicleTrips	CC_TL	7.30	15.45
tblVehicleTrips	CNW_TL	7.30	15.45
tblVehicleTrips	CW_TL	9.50	15.45
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	3.55
tblVehicleTrips	SU_TR	0.68	3.55
tblVehicleTrips	WD_TR	6.97	3.55

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5867	1.00E-05	1.21E-03	0		0	0		0	0	0	2.37E-03	2.37E-03	1.00E-05	0	2.52E-03
Energy	0.0189	0.1713	0.1439	1.03E-03		0.013	0.013		0.013	0.013	0	260.5634	260.5634	0.0125	4.41E-03	262.1911
Mobile	0.0833	0.291	1.2968	6.16E-03	0.9727	2.47E-03	0.9752	0.2587	2.29E-03	0.261	0	564.9731	564.9731	0.0165	0	565.3857
Stationary	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Waste						0	0		0	0	33.3514	0	33.3514	1.971	0	82.6267
Water						0	0		0	0	9.7209	11.2159	20.9368	0.9998	0.0237	53.0014
Total	0.7328	0.659	1.5541	7.40E-03	0.9727	0.022	0.9946	0.2587	0.0218	0.2804	43.0723	857.1655	900.2377	3.0027	0.0281	983.6897

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	470.38	470.38	470.38	2,645,295	2,645,295
Total	470.38	470.38	470.38	2,645,295	2,645,295

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
General Light Industry	15.45	15.45	15.45	59.00	28.00	13.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.690000	0.053000	0.229000	0.000000	0.000000	0.000000	0.000000	0.021000	0.000000	0.000000	0.007000	0.000000	0.000000

5.0 Energy Detail

5.2 Energy by Land Use - NaturalGas

Land Use	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					
General Light Industry	3.50E+06	0.0189	0.1713	0.1439	1.03E-03		0.013	0.013		0.013	0.013	0	186.5252	186.5252	3.58E-03	3.42E-03	187.6336
Total		0.0189	0.1713	0.1439	1.03E-03		0.013	0.013		0.013	0.013	0	186.5252	186.5252	3.58E-03	3.42E-03	187.6336

5.3 Energy by Land Use - Electricity

Land Use	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.09E+06	74.0382	8.94E-03	9.90E-04	74.5575
Total		74.0382	8.94E-03	9.90E-04	74.5575

6.0 Area Detail

SubCategory	ROG	NOx	CO	SO2	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	0.0691					0	0		0	0	0	0	0	0	0	0
Consumer Products	0.5175					0	0		0	0	0	0	0	0	0	0
Landscaping	1.10E-04	1.00E-05	1.21E-03	0		0	0		0	0	0	2.37E-03	2.37E-03	1.00E-05	0	2.52E-03
Total	0.5867	1.00E-05	1.21E-03	0		0	0		0	0	0	2.37E-03	2.37E-03	1.00E-05	0	2.52E-03

7.0 Water Detail

Land Use	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	30.6406 / 0	20.9368	0.9998	0.0237	53.0014
Total		20.9368	0.9998	0.0237	53.0014

8.0 Waste Detail

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	164.3	33.3514	1.9710	0.0000	82.6267
Total		33.3514	1.9710	0.0000	82.6267

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	50	1072.82	0.73	Diesel

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Total	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	22.20	1000sqft	0.51	22,205.00	0
Parking Lot	581.00	Space	5.23	232,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2029
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	163.2285714	CH4 Intensity	0.019506356	N2O Intensity	0.002364407

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - Electricity EF adjusted for SB 350
- Vehicle Trips - Employee and passenger
- Energy Use - Re-weighted per project specific consumption
- Water And Wastewater - Gallons per project specific data
- Fleet Mix - Re-weighted to LDA/LDT/MCY
- Stationary Sources - Emergency Generators and Fire Pumps - Back Up Generators

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	11,103.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	33,308.00	0.00
tblArchitecturalCoating	ConstArea_Parking	13,944.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	3.08	10.47
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.70	12.58
tblEnergyUse	NT24NG	6.67	1.16
tblEnergyUse	T24E	1.48	5.03
tblEnergyUse	T24NG	19.71	3.44
tblFleetMix	HHD	0.02	0.00

tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.62	0.71
tblFleetMix	LDA	0.62	0.71
tblFleetMix	LDT1	0.03	0.05
tblFleetMix	LDT1	0.03	0.05
tblFleetMix	LDT2	0.18	0.23
tblFleetMix	LDT2	0.18	0.23
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.0500e-003	0.00
tblFleetMix	LHD2	5.0500e-003	0.00
tblFleetMix	MCY	5.1390e-003	6.0000e-003
tblFleetMix	MCY	5.1390e-003	6.0000e-003
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MH	6.5600e-004	0.00
tblFleetMix	MH	6.5600e-004	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	2.2140e-003	0.00
tblFleetMix	OBUS	2.2140e-003	0.00
tblFleetMix	SBUS	6.4500e-004	0.00
tblFleetMix	SBUS	6.4500e-004	0.00
tblFleetMix	UBUS	1.4750e-003	0.00
tblFleetMix	UBUS	1.4750e-003	0.00
tblLandUse	LandUseSquareFeet	22,200.00	22,205.00
tblOffRoadEquipment	HorsePower	78.00	0.00
tblOffRoadEquipment	LoadFactor	0.48	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.0195063559322034
tblProjectCharacteristics	CO2IntensityFactor	641.35	163.228571428571
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.00236440677966102
tblTripsAndVMT	Hauling TripLength	20.00	0.00
tblTripsAndVMT	Vendor TripLength	7.30	0.00
tblTripsAndVMT	Worker TripLength	10.80	0.00
tblTripsAndVMT	Worker TripNumber	21.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	152.94
tblVehicleTrips	SU_TR	0.68	152.94
tblVehicleTrips	WD_TR	6.97	152.94
tblWater	IndoorWaterUseRate	5,133,750.00	1,308,162.00
tblWater	OutdoorWaterUseRate	0.00	665,199.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1187	5.00E-05	5.53E-03	0		2.00E-05	2.00E-05		2.00E-05	2.00E-05	0	0.0108	0.0108	3.00E-05	0	0.0115
Energy	5.50E-04	5.01E-03	4.21E-03	3.00E-05		3.80E-04	3.80E-04		3.80E-04	3.80E-04	0	51.6354	51.6354	5.62E-03	7.70E-04	52.0051
Mobile	0.519	0.5116	7.0467	0.0252	3.8948	0.0179	3.9127	1.0349	0.0165	1.0514	0	2,276.92	2,276.92	0.0592	0	2,278.40
Stationary	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Waste						0	0		0	0	5.5883	0	5.5883	0.3303	0	13.8449
Water						0	0		0	0	0.415	0.6965	1.1115	0.0427	1.02E-03	2.4822
Total	0.6822	0.7134	7.1686	0.0254	3.8948	0.0247	3.9195	1.0349	0.0233	1.0582	6.0034	2,349.68	2,355.68	0.4406	1.79E-03	2,367.23

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	3,395.24	3,395.24	3,395.24	10,625,973	10,625,973
Parking Lot	0.00	0.00	0.00		
Total	3,395.24	3,395.24	3,395.24	10,625,973	10,625,973

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
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LD11	LD12	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.706	0.054	0.234	0	0	0	0	0	0	0	0.006	0	0
Parking Lot	0.706	0.054	0.234	0	0	0	0	0	0	0	0.006	0	0

5.0 Energy Detail

Historical Energy Use: N

5.2 Energy by Land Use - NaturalGas

	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					
General Light Industry	102176	5.50E-04	5.01E-03	4.21E-03	3.00E-05		3.80E-04	3.80E-04		3.80E-04	3.80E-04	0	5.4525	5.4525	1.00E-04	1.00E-04	5.4849

Parking Lot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total		5.50E-04	5.01E-03	4.21E-03	3.00E-05		3.80E-04	3.80E-04		3.80E-04	3.80E-04	0	5.4525	5.4525	1.00E-04	1.00E-04	5.4849

5.3 Energy by Land Use - Electricity

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	623763	46.1829	5.52E-03	6.70E-04	46.5203
Parking Lot	0	0	0	0	0
Total		46.1829	5.52E-03	6.70E-04	46.5203

6.0 Area Detail

	ROG	NOx	CO	SO2	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	0.0164					0	0		0	0	0	0	0	0	0	0
Consumer Products	0.1017					0	0		0	0	0	0	0	0	0	0
Landscaping	5.10E-04	5.00E-05	5.53E-03	0		2.00E-05	2.00E-05		2.00E-05	2.00E-05	0	0.0108	0.0108	3.00E-05	0	0.0115
Total	0.1187	5.00E-05	5.53E-03	0		2.00E-05	2.00E-05		2.00E-05	2.00E-05	0	0.0108	0.0108	3.00E-05	0	0.0115

7.0 Water Detail

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	1.30816 / 0.665199	1.1115	0.0427	1.0200e-003	2.4822
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		1.1115	0.0427	1.0200e-003	2.4822

8.0 Waste Detail

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	27.53	5.5883	0.3303	0.0000	13.8449
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		5.5883	0.3303	0.0000	13.8449

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	50	1072	0.73	Diesel

Equipment Type	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Total	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823

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**Opening Diridon Station with Project
Santa Clara County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	99.29	1000sqft	2.28	99,289.00	0
Parking Lot	635.00	Space	5.71	254,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2029
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	163.2285714	CH4 Intensity	0.019506356	N2O Intensity	0.002364407

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Electricity EF adjusted for SB 350
 Vehicle Trips - Employee and passenger
 Energy Use - Re-weighted per project specific consumption
 Water And Wastewater - Gallons per project specific data
 Fleet Mix - Re-weighted to LDA/LDT/MCY
 Stationary Sources - Emergency Generators and Fire Pumps - Back Up Generators

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	49,645.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	148,934.00	0.00
tblArchitecturalCoating	ConstArea_Parking	15,240.00	0.00
tblAreaCoating	Area_Nonresidential_Exterior	49645	11103
tblAreaCoating	Area_Nonresidential_Interior	148934	33308
tblAreaCoating	Area_Parking	15240	13944
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	3.08	10.47
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.70	12.58

tblEnergyUse	NT24NG	6.67	1.16
tblEnergyUse	T24E	1.48	5.03
tblEnergyUse	T24NG	19.71	3.44
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.62	0.71
tblFleetMix	LDA	0.62	0.71
tblFleetMix	LDT1	0.03	0.05
tblFleetMix	LDT1	0.03	0.05
tblFleetMix	LDT2	0.18	0.23
tblFleetMix	LDT2	0.18	0.23
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.0500e-003	0.00
tblFleetMix	LHD2	5.0500e-003	0.00
tblFleetMix	MCY	5.1390e-003	6.0000e-003
tblFleetMix	MCY	5.1390e-003	6.0000e-003
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MH	6.5600e-004	0.00
tblFleetMix	MH	6.5600e-004	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	2.2140e-003	0.00
tblFleetMix	OBUS	2.2140e-003	0.00
tblFleetMix	SBUS	6.4500e-004	0.00
tblFleetMix	SBUS	6.4500e-004	0.00
tblFleetMix	UBUS	1.4750e-003	0.00
tblFleetMix	UBUS	1.4750e-003	0.00
tblLandUse	LandUseSquareFeet	99,290.00	99,289.00
tblOffRoadEquipment	HorsePower	78.00	0.00
tblOffRoadEquipment	LoadFactor	0.48	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.0195063559322034
tblProjectCharacteristics	CO2IntensityFactor	641.35	163.228571428571
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.00236440677966102
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	VendorTripLength	7.30	0.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	49.47
tblVehicleTrips	SU_TR	0.68	49.47

tblVehicleTrips	WD_TR	6.97	49.47
tblWater	IndoorWaterUseRate	22,960,812.50	5,849,408.00
tblWater	OutdoorWaterUseRate	0.00	2,974,418.00

2.0 Emissions Summary

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Area	0.4212	6.00E-05	6.73E-03	0		2.00E-05	2.00E-05		2.00E-05	2.00E-05	0	0.0131	0.0131	3.00E-05	0	0.014
Energy	2.46E-03	0.0224	0.0188	1.30E-04		1.70E-03	1.70E-03		1.70E-03	1.70E-03	0	230.7968	230.7968	0.0251	3.44E-03	232.4494
Mobile	0.7509	0.7402	10.1948	0.0364	5.6348	0.0259	5.6606	1.4973	0.0238	1.5211	0	3,294.13	3,294.13	0.0856	0	3,296.27
Stationary	0.1319	0.59	0.3364	6.30E-04		0.0194	0.0194		0.0194	0.0194	0	61.2322	61.2322	8.58E-03	0	61.4468
Waste						0	0		0	0	24.9923	0	24.9923	1.477	0	61.9172
Water						0	0		0	0	1.8558	3.1142	4.97	0.191	4.55E-03	11.0989
Total	1.3065	1.3527	10.5568	0.0372	5.6348	0.047	5.6818	1.4973	0.0449	1.5422	26.848	3,589.29	3,616.14	1.7873	7.99E-03	3,663.20

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	4,912.05	4,912.05	4,912.05	15,373,104	15,373,104
Parking Lot	0.00	0.00	0.00		
Total	4,912.05	4,912.05	4,912.05	15,373,104	15,373,104

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
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.706	0.054	0.234	0	0	0	0	0	0	0	0.006	0	0
Parking Lot	0.706	0.054	0.234	0	0	0	0	0	0	0	0.006	0	0

5.0 Energy Detail

Historical Energy Use: N

5.2 Energy by Land Use - NaturalGas

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	456729	2.46E-03	0.0224	0.0188	1.30E-04		1.70E-03	1.70E-03		1.70E-03	1.70E-03	0	24.3728	24.3728	4.70E-04	4.50E-04	24.5177
Parking Lot	0	0	0	0	0		0	0		0	0	0	0	0	0	0	0
Total		2.46E-03	0.0224	0.0188	1.30E-04		1.70E-03	1.70E-03		1.70E-03	1.70E-03	0	24.3728	24.3728	4.70E-04	4.50E-04	24.5177

5.3 Energy by Land Use - Electricity

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	2.79E+06	206.424	0.0247	2.99E-03	207.9318
Parking Lot	0	0	0	0	0
Total		206.424	0.0247	2.99E-03	207.9318

6.0 Area Detail

	ROG	NOx	CO	SO2	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	0.0164					0	0		0	0	0	0	0	0	0	0
Consumer Products	0.4042					0	0		0	0	0	0	0	0	0	0
Landscaping	6.20E-04	6.00E-05	6.73E-03	0		2.00E-05	2.00E-05		2.00E-05	2.00E-05	0	0.0131	0.0131	3.00E-05	0	0.014
Total	0.4212	6.00E-05	6.73E-03	0		2.00E-05	2.00E-05		2.00E-05	2.00E-05	0	0.0131	0.0131	3.00E-05	0	0.014

7.0 Water Detail

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	5.84941 / 2.97442	4.9700	0.1910	4.5500e-003	11.0989
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		4.9700	0.1910	4.5500e-003	11.0989

8.0 Waste Detail

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	123.12	24.9923	1.4770	0.0000	61.9172
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		24.9923	1.4770	0.0000	61.9172

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	3	1	50	1072	0.73	Diesel

Equipment Type	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10 Total	Fugitive	Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.1319	0.59	0.3364	6.30E-04		0.0194	0.0194		0.0194	0.0194	0	61.2322	61.2322	8.58E-03	0	61.4468
Total	0.1319	0.59	0.3364	6.30E-04		0.0194	0.0194		0.0194	0.0194	0	61.2322	61.2322	8.58E-03	0	61.4468

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	2.64	1000sqft	0.06	2,641.00	0
Parking Lot	471.00	Space	4.24	188,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2029
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	163.2285714	CH4 Intensity	0.019506356	N2O Intensity	0.002364407

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - Electricity EF adjusted for SB 350
- Vehicle Trips - Employee and passenger
- Energy Use - Re-weighted per project specific consumption
- Water And Wastewater - Gallons per project specific data
- Fleet Mix - Re-weighted to LDA/LDT/MCY
- Stationary Sources - Emergency Generators and Fire Pumps - Back Up Generators

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	1,321.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	3,962.00	0.00
tblArchitecturalCoating	ConstArea_Parking	11,304.00	0.00
tblConstructionPhase	NumDays	18.00	0.00
tblEnergyUse	LightingElect	3.08	0.71
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.70	0.86
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	T24E	1.48	0.34
tblEnergyUse	T24NG	19.71	0.00

tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.62	0.71
tblFleetMix	LDA	0.62	0.71
tblFleetMix	LDT1	0.03	0.05
tblFleetMix	LDT1	0.03	0.05
tblFleetMix	LDT2	0.18	0.23
tblFleetMix	LDT2	0.18	0.23
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.0500e-003	0.00
tblFleetMix	LHD2	5.0500e-003	0.00
tblFleetMix	MCY	5.1390e-003	6.6620e-003
tblFleetMix	MCY	5.1390e-003	6.6620e-003
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MH	6.5600e-004	0.00
tblFleetMix	MH	6.5600e-004	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	2.2140e-003	0.00
tblFleetMix	OBUS	2.2140e-003	0.00
tblFleetMix	SBUS	6.4500e-004	0.00
tblFleetMix	SBUS	6.4500e-004	0.00
tblFleetMix	UBUS	1.4750e-003	0.00
tblFleetMix	UBUS	1.4750e-003	0.00
tblLandUse	LandUseSquareFeet	2,640.00	2,641.00
tblOffRoadEquipment	HorsePower	78.00	0.00
tblOffRoadEquipment	LoadFactor	0.48	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.0195063559322034
tblProjectCharacteristics	CO2IntensityFactor	641.35	163.228571428571
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.00236440677966102
tblTripsAndVMT	WorkerTripNumber	16.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	103.75
tblVehicleTrips	SU_TR	0.68	103.75
tblVehicleTrips	WD_TR	6.97	103.75
tblWater	IndoorWaterUseRate	610,500.00	88,328.00
tblWater	OutdoorWaterUseRate	0.00	41,672.00

2.0 Emissions Summary

5.3 Energy by Land Use - Electricity

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light	5041	0.3732	4.00E-05	1.00E-05	0.376
Parking Lot	0	0	0	0	0
Total		0.3732	4.00E-05	1.00E-05	0.376

6.0 Area Detail

	ROG	NOx	CO	SO2	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	5.31E-03					0	0		0	0	0	0	0	0	0	0
Consumer Products	0.0225					0	0		0	0	0	0	0	0	0	0
Landscaping	4.00E-04	4.00E-05	4.34E-03	0		2.00E-05	2.00E-05		2.00E-05	2.00E-05	0	8.46E-03	8.46E-03	2.00E-05	0	9.01E-03
Total	0.0282	4.00E-05	4.34E-03	0		2.00E-05	2.00E-05		2.00E-05	2.00E-05	0	8.46E-03	8.46E-03	2.00E-05	0	9.01E-03

7.0 Water Detail

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light	0.088328 /	0.0742	2.8800e-	7.0000e-005	0.1668
Industry	0.041672		003		
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0742	2.8800e-003	7.0000e-005	0.1668

8.0 Waste Detail

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light	3.27	0.6638	0.0392	0	1.6445
Industry					
Parking Lot	0	0	0	0	0
Total		0.6638	0.0392	0.0000	1.6445

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	50	1072	0.73	Diesel

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Total	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	64.91	1000sqft	1.49	64,913.00	0
Parking Lot	1,441.00	Space	12.97	576,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2029
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	163.2285714	CH4 Intensity	0.019506356	N2O Intensity	0.002364407

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - Electricity EF adjusted for SB 350
- Vehicle Trips - Employee and passenger
- Energy Use - Re-weighted per project specific consumption
- Water And Wastewater - Gallons per project specific data
- Fleet Mix - Re-weighted to LDA/LDT/MCY
- Stationary Sources - Emergency Generators and Fire Pumps - Back Up Generators

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	32,457.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	97,370.00	0.00
tblArchitecturalCoating	ConstArea_Parking	34,584.00	0.00
tblAreaCoating	Area_Nonresidential_Exterior	32457	49645
tblAreaCoating	Area_Nonresidential_Interior	97370	148934
tblAreaCoating	Area_Parking	34584	15240
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	3.08	10.47
tblEnergyUse	LightingElect	0.35	0.00

tblEnergyUse	NT24E	3.70	12.58
tblEnergyUse	NT24NG	6.67	1.16
tblEnergyUse	T24E	1.48	5.03
tblEnergyUse	T24NG	19.71	3.44
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.62	0.71
tblFleetMix	LDA	0.62	0.71
tblFleetMix	LDT1	0.03	0.05
tblFleetMix	LDT1	0.03	0.05
tblFleetMix	LDT2	0.18	0.23
tblFleetMix	LDT2	0.18	0.23
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.0500e-003	0.00
tblFleetMix	LHD2	5.0500e-003	0.00
tblFleetMix	MCY	5.1390e-003	6.0000e-003
tblFleetMix	MCY	5.1390e-003	6.0000e-003
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MH	6.5600e-004	0.00
tblFleetMix	MH	6.5600e-004	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	2.2140e-003	0.00
tblFleetMix	OBUS	2.2140e-003	0.00
tblFleetMix	SBUS	6.4500e-004	0.00
tblFleetMix	SBUS	6.4500e-004	0.00
tblFleetMix	UBUS	1.4750e-003	0.00
tblFleetMix	UBUS	1.4750e-003	0.00
tblLandUse	LandUseSquareFeet	64,910.00	64,913.00
tblOffRoadEquipment	HorsePower	78.00	0.00
tblOffRoadEquipment	LoadFactor	0.48	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.0195063559322034
tblProjectCharacteristics	CO2IntensityFactor	641.35	163.228571428571
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.00236440677966102
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	VendorTripLength	7.30	0.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripNumber	54.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00

tblVehicleTrips	ST_TR	1.32	51.73
tblVehicleTrips	SU_TR	0.68	51.73
tblVehicleTrips	WD_TR	6.97	51.73
tblWater	IndoorWaterUseRate	15,010,437.50	3,824,216.00
tblWater	OutdoorWaterUseRate	0.00	1,944,610.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3491	1.30E-04	0.0138	0		5.00E-05	5.00E-05		5.00E-05	5.00E-05	0	0.0269	0.0269	7.00E-05	0	0.0287
Energy	1.61E-03	0.0146	0.0123	9.00E-05		1.11E-03	1.11E-03		1.11E-03	1.11E-03	0	150.89	150.89	0.0164	2.25E-03	151.9704
Mobile	0.5133	0.506	6.9691	0.0249	3.8519	0.0177	3.8696	1.0235	0.0163	1.0398	0	2,251.85	2,251.85	0.0585	0	2,253.31
Stationary	0.088	0.3934	0.2243	4.20E-04		0.0129	0.0129		0.0129	0.0129	0	40.8215	40.8215	5.72E-03	0	40.9645
Waste						0	0		0	0	16.3387	0	16.3387	0.9656	0	40.4785
Water						0	0		0	0	1.2133	2.036	3.2493	0.1249	2.97E-03	7.2563
Total	0.952	0.9141	7.2195	0.0254	3.8519	0.0318	3.8837	1.0235	0.0304	1.0539	17.552	2,445.62	2,463.17	1.1712	5.22E-03	2,494.01

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	3,357.84	3,357.84	3357.84	10,508,953	10,508,953
Parking Lot	0.00	0.00	0.00		
Total	3,357.84	3,357.84	3,357.84	10,508,953	10,508,953

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
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.706	0.054	0.234	0	0	0	0	0	0	0	0.006	0	0
Parking Lot	0.706	0.054	0.234	0	0	0	0	0	0	0	0.006	0	0

5.0 Energy Detail

Historical Energy Use: N

5.2 Energy by Land Use - NaturalGas

	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					
General Light Industry	298600	1.61E-03	0.0146	0.0123	9.00E-05		1.11E-03	1.11E-03		1.11E-03	1.11E-03	0	15.9344	15.9344	3.10E-04	2.90E-04	16.0291
Parking Lot	0	0	0	0	0		0	0		0	0	0	0	0	0	0	0
Total		1.61E-03	0.0146	0.0123	9.00E-05		1.11E-03	1.11E-03		1.11E-03	1.11E-03	0	15.9344	15.9344	3.10E-04	2.90E-04	16.0291

5.3 Energy by Land Use - Electricity

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.82E+06	134.9555	0.0161	1.95E-03	135.9413
Parking Lot	0	0	0	0	0
Total		134.9555	0.0161	1.95E-03	135.9413

6.0 Area Detail

	ROG	NOx	CO	SO2	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	0.0571					0	0		0	0	0	0	0	0	0	0
Consumer Products	0.2908					0	0		0	0	0	0	0	0	0	0
Landscaping	1.27E-03	1.30E-04	0.0138	0		5.00E-05	5.00E-05		5.00E-05	5.00E-05	0	0.0269	0.0269	7.00E-05	0	0.0287
Total	0.3491	1.30E-04	0.0138	0		5.00E-05	5.00E-05		5.00E-05	5.00E-05	0	0.0269	0.0269	7.00E-05	0	0.0287

7.0 Water Detail

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	3.82422 / 1.94461	3.2493	0.1249	2.9700e-003	7.2563
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		3.2493	0.1249	2.9700e-003	7.2563

8.0 Waste Detail

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	80.49	16.3387	0.9656	0	40.4785
Parking Lot	0	0	0	0	0
Total		16.3387	0.9656	0	40.4785

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	1	50	1072	0.73	Diesel

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.088	0.3934	0.2243	4.20E-04		0.0129	0.0129		0.0129	0.0129	0	40.8215	40.8215	5.72E-03	0	40.9645
Total	0.088	0.3934	0.2243	4.20E-04		0.0129	0.0129		0.0129	0.0129	0	40.8215	40.8215	5.72E-03	0	40.9645

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	63.01	1000sqft	1.45	63,011.00	0
Parking Lot	1,240.00	Space	11.16	496,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2029
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	163.2285714	CH4 Intensity	0.019506356	N2O Intensity	0.002364407

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - Electricity EF adjusted for SB 350
- Vehicle Trips - Employee and passenger
- Energy Use - Re-weighted per project specific consumption
- Water And Wastewater - Gallons per project specific data
- Fleet Mix - Re-weighted to LDA/LDT/MCY
- Stationary Sources - Emergency Generators and Fire Pumps - Back Up Generators

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	31,506.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	94,517.00	0.00
tblArchitecturalCoating	ConstArea_Parking	29,760.00	0.00
tblAreaCoating	Area_Nonresidential_Exterior	31506	32457
tblAreaCoating	Area_Nonresidential_Interior	94517	97370
tblAreaCoating	Area_Parking	29760	34584
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	3.08	10.47
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.70	12.58

tblEnergyUse	NT24NG	6.67	1.16
tblEnergyUse	T24E	1.48	5.03
tblEnergyUse	T24NG	19.71	3.44
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.62	0.71
tblFleetMix	LDA	0.62	0.71
tblFleetMix	LDT1	0.03	0.05
tblFleetMix	LDT1	0.03	0.05
tblFleetMix	LDT2	0.18	0.23
tblFleetMix	LDT2	0.18	0.23
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.0500e-003	0.00
tblFleetMix	LHD2	5.0500e-003	0.00
tblFleetMix	MCY	5.1390e-003	6.0000e-003
tblFleetMix	MCY	5.1390e-003	6.0000e-003
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MH	6.5600e-004	0.00
tblFleetMix	MH	6.5600e-004	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	2.2140e-003	0.00
tblFleetMix	OBUS	2.2140e-003	0.00
tblFleetMix	SBUS	6.4500e-004	0.00
tblFleetMix	SBUS	6.4500e-004	0.00
tblFleetMix	UBUS	1.4750e-003	0.00
tblFleetMix	UBUS	1.4750e-003	0.00
tblLandUse	LandUseSquareFeet	63,010.00	63,011.00
tblOffRoadEquipment	HorsePower	78.00	0.00
tblOffRoadEquipment	LoadFactor	0.48	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.0195063559322034
tblProjectCharacteristics	CO2IntensityFactor	641.35	163.228571428571
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.00236440677966102
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	VendorTripLength	7.30	0.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripNumber	47.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	65.67
tblVehicleTrips	SU_TR	0.68	65.67

tblVehicleTrips	WD_TR	6.97	65.67
tblWater	IndoorWaterUseRate	14,571,062.50	3,712,164.00
tblWater	OutdoorWaterUseRate	0.00	1,887,631.00

2.0 Emissions Summary

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Area	0.3251	1.10E-04	0.0119	0		4.00E-05	4.00E-05		4.00E-05	4.00E-05	0	0.0233	0.0233	6.00E-05	0	0.0248
Energy	1.56E-03	0.0142	0.0119	9.00E-05		1.08E-03	1.08E-03		1.08E-03	1.08E-03	0	146.5255	146.5255	0.016	2.18E-03	147.5747
Mobile	0.6326	0.6235	8.5881	0.0307	4.7468	0.0218	4.7685	1.2613	0.0201	1.2814	0	2,774.99	2,774.99	0.0721	0	2,776.80
Stationary	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Waste						0	0		0	0	15.8597	0	15.8597	0.9373	0	39.2917
Water						0	0		0	0	1.1777	1.9764	3.154	0.1212	2.88E-03	7.0436
Total	1.0032	0.8345	8.7242	0.031	4.7468	0.0294	4.7761	1.2613	0.0276	1.289	17.0374	2,943.93	2,960.97	1.1494	5.06E-03	2,991.21

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	4,137.93	4,137.93	4137.93	12,950,377	12,950,377
Parking Lot	0.00	0.00	0.00		
Total	4,137.93	4,137.93	4,137.93	12,950,377	12,950,377

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
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.706	0.054	0.234	0	0	0	0	0	0	0	0.006	0	0
Parking Lot	0.706	0.054	0.234	0	0	0	0	0	0	0	0.006	0	0

5.0 Energy Detail

Historical Energy Use: N

5.2 Energy by Land Use - NaturalGas

	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					
General Light Industry	289943	1.56E-03	0.0142	0.0119	9.00E-05		1.08E-03	1.08E-03		1.08E-03	1.08E-03	0	15.4725	15.4725	3.00E-04	2.80E-04	15.5644
Parking Lot	0	0	0	0	0		0	0		0	0	0	0	0	0	0	0
Total		1.56E-03	0.0142	0.0119	9.00E-05		1.08E-03	1.08E-03		1.08E-03	1.08E-03	0	15.4725	15.4725	3.00E-04	2.80E-04	15.5644

5.3 Energy by Land Use - Electricity

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.77E+06	131.0531	0.0157	1.90E-03	132.0103
Parking Lot	0	0	0	0	0
Total		131.0531	0.0157	1.90E-03	132.0103

6.0 Area Detail

	ROG	NOx	CO	SO2	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	0.0459					0	0		0	0	0	0	0	0	0	0
Consumer Products	0.2782					0	0		0	0	0	0	0	0	0	0
Landscaping	1.10E-03	1.10E-04	0.0119	0		4.00E-05	4.00E-05		4.00E-05	4.00E-05	0	0.0233	0.0233	6.00E-05	0	0.0248
Total	0.3251	1.10E-04	0.0119	0		4.00E-05	4.00E-05		4.00E-05	4.00E-05	0	0.0233	0.0233	6.00E-05	0	0.0248

7.0 Water Detail

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	3.71216 / 1.88763	3.1540	0.1212	2.8800e-003	7.0436
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		3.1540	0.1212	2.8800e-003	7.0436

8.0 Waste Detail

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	78.13	15.8597	0.9373	0	39.2917
Parking Lot	0	0	0	0	0
Total		15.8597	0.9373	0	39.2917

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	50	1072	0.73	Diesel

Equipment Type	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Total	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823

Opening MOWS - Merced County, Annual

**Opening MOWS
Merced County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	155.10	1000sqft	3.56	155,100.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	49
Climate Zone	3			Operational Year	2029
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	163.23	CH4 Intensity	0.02	N2O Intensity	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted for SB 350
 Vehicle Trips - Haul
 Fleet Mix - Haul
 Stationary Sources - Emergency Generators and Fire Pumps - Back up generator

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	77,550.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	232,650.00	0.00
tblConstructionPhase	NumDays	18.00	0.00
tblFleetMix	HHD	0.15	1.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.03	0.00
tblFleetMix	LDT2	0.16	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	3.4450e-003	0.00
tblFleetMix	MCY	5.5820e-003	0.00
tblFleetMix	MDV	0.09	0.00
tblFleetMix	MH	4.5000e-004	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	2.3520e-003	0.00
tblFleetMix	SBUS	1.3580e-003	0.00

tblFleetMix	UBUS	1.6400e-003	0.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	2.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.02
tblProjectCharacteristics	CO2IntensityFactor	641.35	163.23
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.002
tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblVehicleTrips	CC_TL	7.30	120.00
tblVehicleTrips	CNW_TL	7.30	120.00
tblVehicleTrips	CW_TL	9.50	120.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	0.13
tblVehicleTrips	SU_TR	0.68	0.13
tblVehicleTrips	WD_TR	6.97	0.13

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7137	1.00E-05	1.42E-03	0		1.00E-05	1.00E-05		1.00E-05	1.00E-05	0	2.77E-03	2.77E-03	1.00E-05	0	2.95E-03
Energy	0.0175	0.1587	0.1333	9.50E-04		0.0121	0.0121		0.0121	0.0121	0	274.0205	274.0205	0.0157	4.41E-03	275.7271
Mobile	0.085	1.8357	0.955	0.0139	0.3749	5.59E-03	0.3805	0.103	5.35E-03	0.1084	0	1,353.83	1,353.83	0.0522	0	1,355.14
Stationary	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Waste						0	0		0	0	39.0392	0	39.0392	2.3072	0	96.718
Water						0	0		0	0	11.3789	14.3693	25.7482	1.1705	0.0278	63.2864
Total	0.8602	2.1911	1.2018	0.0151	0.3749	0.0242	0.3991	0.1030	0.0239	0.1270	50.4181	1,662.6374	1,713.0555	3.5485	0.0322	1,811.3564

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	20.16	20.16	20.16	880,720	880,720
Total	20.16	20.16	20.16	880,720	880,720

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
General Light Industry	120.00	120.00	120.00	59.00	28.00	13.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0	0	0	0	0	0	0	1	0	0	0	0	0

5.0 Energy Detail

5.2 Energy by Land Use - NaturalGas

Land Use	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
	kBTU/yr	tons/yr										MT/yr					
General Light Industry	3.24E+06	0.0175	0.1587	0.1333	9.50E-04		0.0121	0.0121		0.0121	0.0121	0	172.7353	172.7353	3.31E-03	3.17E-03	173.7618
Total		0.0175	0.1587	0.1333	9.50E-04		0.0121	0.0121		0.0121	0.0121	0	172.7353	172.7353	3.31E-03	3.17E-03	173.7618

5.3 Energy by Land Use - Electricity

Land Use	Electricity Use	Total CO2	CH4	N2O	CO2e
	kWh/yr	MT/yr			
General Light Industry	1.37E+06	101.2852	0.0124	1.24E-03	101.9653
Total		101.2852	0.0124	1.24E-03	101.9653

6.0 Area Detail

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Architectural Coating	0.1078					0	0		0	0	0	0	0	0	0	0
Consumer Products	0.6057					0	0		0	0	0	0	0	0	0	0
Landscaping	1.30E-04	1.00E-05	1.42E-03	0		1.00E-05	1.00E-05		1.00E-05	1.00E-05	0	2.77E-03	2.77E-03	1.00E-05	0	2.95E-03
Total	0.7137	1.00E-05	1.42E-03	0		1.00E-05	1.00E-05		1.00E-05	1.00E-05	0	2.77E-03	2.77E-03	1.00E-05	0	2.95E-03

7.0 Water Detail

Land Use	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
	Mgal	MT/yr			
General Light Industry	35.8689 / 0	25.7482	1.1705	0.0278	63.2864
Total		25.7482	1.1705	0.0278	63.2864

8.0 Waste Detail

Land Use	Waste Disposed	Total CO2	CH4	N2O	CO2e
	tons	MT/yr			
General Light Industry	192.32	39.0392	2.3072	0.0000	96.7180
Total		39.0392	2.3072	0.0000	96.7180

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	50	1072.82	0.73	Diesel

Equipment Type	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Total	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823

Opening MOWF - Santa Clara County, Annual

Opening MOWF
Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	132.50	1000sqft	3.04	132,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2029
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	163.2285714	CH4 Intensity	0.019506356	N2O Intensity	0.002364407

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted for SB 350
 Vehicle Trips - Employee + haul (trip distance weighted based on H-W employee miles + 120 haul truck miles)
 Fleet Mix - Reweighted for LDA/LDT/MCY/HHD
 Stationary Sources - Emergency Generators and Fire Pumps - Back Up Generator

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	66,250.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	198,750.00	0.00
tblConstructionPhase	NumDays	18.00	0.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.62	0.69
tblFleetMix	LDT1	0.03	0.05
tblFleetMix	LDT2	0.18	0.23
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.0500e-003	0.00
tblFleetMix	MCY	5.1390e-003	7.0000e-003
tblFleetMix	MDV	0.10	0.00
tblFleetMix	MH	6.5600e-004	0.00
tblFleetMix	MHD	0.01	0.00

tblFleetMix	OBUS	2.2140e-003	0.00
tblFleetMix	SBUS	6.4500e-004	0.00
tblFleetMix	UBUS	1.4750e-003	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.0195063559322034
tblProjectCharacteristics	CO2IntensityFactor	641.35	163.228571428571
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.00236440677966102
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	1,072.82
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	1.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	11.00	0.00
tblVehicleTrips	CC_TL	7.30	15.45
tblVehicleTrips	CNW_TL	7.30	15.45
tblVehicleTrips	CW_TL	9.50	15.45
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.32	3.55
tblVehicleTrips	SU_TR	0.68	3.55
tblVehicleTrips	WD_TR	6.97	3.55

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5867	1.00E-05	1.21E-03	0		0	0		0	0	0	2.37E-03	2.37E-03	1.00E-05	0	2.52E-03
Energy	0.0189	0.1713	0.1439	1.03E-03		0.013	0.013		0.013	0.013	0	267.5574	267.5574	0.0133	4.59E-03	269.2577
Mobile	0.109	0.347	1.7334	7.07E-03	0.9727	4.43E-03	0.9771	0.2587	4.09E-03	0.2628	0	646.5157	646.5157	0.0197	0	647.0071
Stationary	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Waste						0	0		0	0	33.3514	0	33.3514	1.971	0	82.6267
Water						0	0		0	0	9.7209	12.2754	21.9963	0.9999	0.0238	54.0719
Total	0.7585	0.7151	1.9907	8.31E-03	0.9727	0.0239	0.9966	0.2587	0.0236	0.2823	43.0723	946.7617	989.834	3.0067	0.0283	1,073.45

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	470.38	470.38	470.38	2,645,295	2,645,295
Total	470.38	470.38	470.38	2,645,295	2,645,295

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
General Light Industry	15.45	15.45	15.45	59.00	28.00	13.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.69	0.053	0.229	0	0	0	0	0.021	0	0	0.007	0	0

5.0 Energy Detail

Historical Energy Use: N

5.2 Energy by Land Use - NaturalGas

Land Use	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
	kBTU/yr	tons/yr										MT/yr					
General Light Industry	3.50E+06	0.0189	0.1713	0.1439	1.03E-03		0.013	0.013		0.013	0.013	0	186.5252	186.5252	3.58E-03	3.42E-03	187.6336
Total		0.0189	0.1713	0.1439	1.03E-03		0.013	0.013		0.013	0.013	0	186.5252	186.5252	3.58E-03	3.42E-03	187.6336

5.3 Energy by Land Use - Electricity

Land Use	Electricity Use	Total CO2	CH4	N2O	CO2e
	kWh/yr	MT/yr			
General Light Industry	1.09E+06	81.0322	9.68E-03	1.17E-03	81.6241
Total		81.0322	9.68E-03	1.17E-03	81.6241

6.0 Area Detail

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Architectural Coating	0.0691					0	0		0	0	0	0	0	0	0	0
Consumer Products	0.5175					0	0		0	0	0	0	0	0	0	0
Landscaping	1.10E-04	1.00E-05	1.21E-03	0		0	0		0	0	0	2.37E-03	2.37E-03	1.00E-05	0	2.52E-03
Total	0.5867	1.00E-05	1.21E-03	0		0	0		0	0	0	2.37E-03	2.37E-03	1.00E-05	0	2.52E-03

7.0 Water Detail

Land Use	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
	Mgal	MT/yr			

General Light Industry	30.6406 / 0	21.9963	0.9999	0.0238	54.0719
Total		21.9963	0.9999	0.0238	54.0719

8.0 Waste Detail

Land Use	Waste Disposed tons	Total CO2 MT/yr	CH4 MT/yr	N2O MT/yr	CO2e MT/yr
General Light Industry	164.3	33.3514	1.9710	0.0000	82.6267
Total		33.3514	1.9710	0.0000	82.6267

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	50	1072.82	0.73	Diesel

Equipment Type	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823
Total	0.044	0.1967	0.1121	2.10E-04		6.47E-03	6.47E-03		6.47E-03	6.47E-03	0	20.4107	20.4107	2.86E-03	0	20.4823

MOWF Calculations

Offroad Yard Equipment

Year	Equip	Annual Hours	CMOD	HP	Tons per year						Metric tons per year				Gal per year
					ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e	Fuel
2015	Plain Line Track Tamper	208	Other General Industrial Equipment	400	0.0	0.0	0.1	0.0	0.0	0.0	14.6	0.0	0.0	14.8	1427
2015	Special trackwork tamper	64	Other General Industrial Equipment	400	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	4.5	439
2015	Ballast regulator	104	Off-Highway Trucks	479	0.0	0.0	0.0	0.0	0.0	0.0	9.8	0.0	0.0	10.0	961
2015	Dynamic Track Stabilizer	52	Other General Industrial Equipment	400	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	3.7	357
2015	Multipurpose Stone Blower	64	Other General Industrial Equipment	400	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	4.5	439
2015	Sleeper changing unit	104	Other General Industrial Equipment	88	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	1.6	156
2015	Structure inspection train (Snooper)	52	Off-Highway Trucks	479	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	0.0	5.0	481
2015	Rail butt Welder	52	Welders	46	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.6	60
2015	Drainage train	52	Off-Highway Trucks	479	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	0.0	5.0	481
2015	Road rail construction vehicles	312	Tractors/Loaders/Backhoes	97	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	5.9	565
2015	Hi-Rail Dumper	104	Dumpers/Tenders	16	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	35
2015	Rail butt Welder	208	Welders	46	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	2.5	240
2015	Other General Industrial Equipment	1800	Other General Industrial Equipment	88	0.0	0.0	0.2	0.0	0.0	0.0	27.6	0.0	0.0	28.0	2699
2015	Generator Sets	1800	Generator sets	84	0.0	0.3	0.5	0.0	0.0	0.0	63.6	0.0	0.0	64.4	6228
2015	Excavators	208	Excavators	158	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	6.5	629
2015	Forklift	180	Forklifts	89	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	1.7	161
2015	Aerial Lifts	208	Aerial Lifts	63	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	2.3	225
2029	Plain Line Track Tamper	208	Other General Industrial Equipment	400	0.0	0.0	0.1	0.0	0.0	0.0	16.2	0.0	0.0	16.3	1582
2029	Special trackwork tamper	64	Other General Industrial Equipment	400	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	487
2029	Ballast regulator	104	Off-Highway Trucks	479	0.0	0.0	0.0	0.0	0.0	0.0	10.8	0.0	0.0	10.9	1059
2029	Dynamic Track Stabilizer	52	Other General Industrial Equipment	400	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	4.1	396
2029	Multipurpose Stone Blower	64	Other General Industrial Equipment	400	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	487
2029	Sleeper changing unit	104	Other General Industrial Equipment	88	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	1.8	174
2029	Structure inspection train (Snooper)	52	Off-Highway Trucks	479	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	5.5	529
2029	Rail butt Welder	52	Welders	46	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.6	60
2029	Drainage train	52	Off-Highway Trucks	479	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	5.5	529
2029	Road rail construction vehicles	312	Tractors/Loaders/Backhoes	97	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	0.0	6.4	621
2029	Hi-Rail Dumper	104	Dumpers/Tenders	16	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	35
2029	Rail butt Welder	208	Welders	46	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	2.5	240
2029	Other General Industrial Equipment	1800	Other General Industrial Equipment	88	0.0	0.0	0.2	0.0	0.0	0.0	30.8	0.0	0.0	31.0	3013
2029	Generator Sets	1800	Generator sets	84	0.0	0.3	0.5	0.0	0.0	0.0	63.6	0.0	0.0	64.1	6228
2029	Excavators	208	Excavators	158	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0	7.2	699
2029	Forklift	180	Forklifts	89	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	1.8	179
2029	Aerial Lifts	208	Aerial Lifts	63	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	2.3	225
2040	Plain Line Track Tamper	208	Other General Industrial Equipment	400	0.0	0.0	0.1	0.0	0.0	0.0	16.2	0.0	0.0	16.3	1582
2040	Special trackwork tamper	64	Other General Industrial Equipment	400	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	487
2040	Ballast regulator	104	Off-Highway Trucks	479	0.0	0.0	0.0	0.0	0.0	0.0	10.8	0.0	0.0	10.9	1059
2040	Dynamic Track Stabilizer	52	Other General Industrial Equipment	400	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	4.1	396
2040	Multipurpose Stone Blower	64	Other General Industrial Equipment	400	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	487
2040	Sleeper changing unit	104	Other General Industrial Equipment	88	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	1.8	174
2040	Structure inspection train (Snooper)	52	Off-Highway Trucks	479	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	5.5	529
2040	Rail butt Welder	52	Welders	46	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.6	60
2040	Drainage train	52	Off-Highway Trucks	479	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	5.5	529
2040	Road rail construction vehicles	312	Tractors/Loaders/Backhoes	97	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	0.0	6.4	621
2040	Hi-Rail Dumper	104	Dumpers/Tenders	16	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	35
2040	Rail butt Welder	208	Welders	46	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	2.5	240
2040	Other General Industrial Equipment	1800	Other General Industrial Equipment	88	0.0	0.0	0.2	0.0	0.0	0.0	30.8	0.0	0.0	31.0	3013
2040	Generator Sets	1800	Generator sets	84	0.0	0.3	0.5	0.0	0.0	0.0	63.6	0.0	0.0	64.1	6228
2040	Excavators	208	Excavators	158	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0	7.2	699
2040	Forklift	180	Forklifts	89	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	1.8	179

2040 Aerial Lifts

208

Aerial Lifts

63

| 0.0

0.0

0.0

0.0

0.0

0.0

| 2.3

0.0

0.0

2.3

| 225

Year	Train	HP	Annual Hours	Tons per year						Metric tons per year				Gal per year
				ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e	Fuel
2015	Mobile Maintenance Train	3000	180	0.1	0.6	1.1	0.0	0.0	0.1	363	0.0	0.0	366	35551
2015	Plain Line Rail grinding Train	3000	52	0.0	0.2	0.3	0.0	0.0	0.0	105	0.0	0.0	106	10270
2015	Rail Milling Train	3000	24	0.0	0.1	0.1	0.0	0.0	0.0	48	0.0	0.0	49	4740
2015	Inspection train	3000	180	0.1	0.6	1.1	0.0	0.0	0.1	363	0.0	0.0	366	35551
2015	Lazer/Clearance Train	3000	52	0.0	0.2	0.3	0.0	0.0	0.0	105	0.0	0.0	106	10270
2015	OCS inspection and maintenance train (UTU)	3000	104	0.0	0.3	0.6	0.0	0.0	0.0	210	0.0	0.0	211	20540
2015	Motive power	3000	208	0.1	0.7	1.3	0.0	0.0	0.1	419	0.0	0.0	422	41081
2015	Long Welded Rail Train	3000	24	0.0	0.1	0.1	0.0	0.0	0.0	48	0.0	0.0	49	4740
2015	Kirow Crane	231	52	0.0	0.0	0.0	0.0	0.0	0.0	8	0.0	0.0	8	791
2015	Ballast Cleaning Train	88	24	0.0	0.0	0.0	0.0	0.0	0.0	1	0.0	0.0	1	139
2015	Track Renewal Train	3000	24	0.0	0.1	0.1	0.0	0.0	0.0	48	0.0	0.0	49	4740
2015	Multi-purpose vehicles (MPV)	3000	180	0.1	0.6	1.1	0.0	0.0	0.1	363	0.0	0.0	366	35551
2029	Mobile Maintenance Train	3000	180	0.1	0.6	1.1	0.0	0.0	0.1	363	0.0	0.0	366	35551
2029	Plain Line Rail grinding Train	3000	52	0.0	0.2	0.3	0.0	0.0	0.0	105	0.0	0.0	106	10270
2029	Rail Milling Train	3000	24	0.0	0.1	0.1	0.0	0.0	0.0	48	0.0	0.0	49	4740
2029	Inspection train	3000	180	0.1	0.6	1.1	0.0	0.0	0.1	363	0.0	0.0	366	35551
2029	Lazer/Clearance Train	3000	52	0.0	0.2	0.3	0.0	0.0	0.0	105	0.0	0.0	106	10270
2029	OCS inspection and maintenance train (UTU)	3000	104	0.0	0.3	0.6	0.0	0.0	0.0	210	0.0	0.0	211	20540
2029	Motive power	3000	208	0.1	0.7	1.3	0.0	0.0	0.1	419	0.0	0.0	422	41081
2029	Long Welded Rail Train	3000	24	0.0	0.1	0.1	0.0	0.0	0.0	48	0.0	0.0	49	4740
2029	Kirow Crane	231	52	0.0	0.0	0.0	0.0	0.0	0.0	8	0.0	0.0	8	791
2029	Ballast Cleaning Train	88	24	0.0	0.0	0.0	0.0	0.0	0.0	1	0.0	0.0	1	139
2029	Track Renewal Train	3000	24	0.0	0.1	0.1	0.0	0.0	0.0	48	0.0	0.0	49	4740
2029	Multi-purpose vehicles (MPV)	3000	180	0.1	0.6	1.1	0.0	0.0	0.1	363	0.0	0.0	366	35551
2040	Mobile Maintenance Train	3000	180	0.1	0.6	1.1	0.0	0.0	0.1	363	0.0	0.0	366	35551
2040	Plain Line Rail grinding Train	3000	52	0.0	0.2	0.3	0.0	0.0	0.0	105	0.0	0.0	106	10270
2040	Rail Milling Train	3000	24	0.0	0.1	0.1	0.0	0.0	0.0	48	0.0	0.0	49	4740
2040	Inspection train	3000	180	0.1	0.6	1.1	0.0	0.0	0.1	363	0.0	0.0	366	35551
2040	Lazer/Clearance Train	3000	52	0.0	0.2	0.3	0.0	0.0	0.0	105	0.0	0.0	106	10270
2040	OCS inspection and maintenance train (UTU)	3000	104	0.0	0.3	0.6	0.0	0.0	0.0	210	0.0	0.0	211	20540
2040	Motive power	3000	208	0.1	0.7	1.3	0.0	0.0	0.1	419	0.0	0.0	422	41081
2040	Long Welded Rail Train	3000	24	0.0	0.1	0.1	0.0	0.0	0.0	48	0.0	0.0	49	4740
2040	Kirow Crane	231	52	0.0	0.0	0.0	0.0	0.0	0.0	8	0.0	0.0	8	791
2040	Ballast Cleaning Train	88	24	0.0	0.0	0.0	0.0	0.0	0.0	1	0.0	0.0	1	139
2040	Track Renewal Train	3000	24	0.0	0.1	0.1	0.0	0.0	0.0	48	0.0	0.0	49	4740
2040	Multi-purpose vehicles (MPV)	3000	180	0.1	0.6	1.1	0.0	0.0	0.1	363	0.0	0.0	366	35551

Onroad Calculations

Year	Vehicle	Shift/Yr	Veh/ Shift	Annual Hours	Annual Miles	Tons per year							Metric tons per year				Gal per year	
						ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Fuel
2015	Frog and Switch inspection hi-rail inspection vehicle	45	2	360	1,800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3	0.0	0.0	3	319
2015	Hi-rail general (Road rail)	45	3	540	2,700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5	0.0	0.0	5	478
2015	Hi rail backhoe (Road rail)	45	2	360	1,800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3	0.0	0.0	3	319
2015	Hi-rail specialist vehicles (road rail [Welding])	45	3	540	2,700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5	0.0	0.0	5	478
2015	Hi-rail Truck (Road rail[ultrasonic and lubrication])	45	2	360	1,800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3	0.0	0.0	3	319
2015	6 pack (road vehicle)	45	4	720	3,600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3	0.0	0.0	3	267
2015	SUV's	45	8	1440	7,200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0	13	1282
2015	Section truck	45	4	720	3,600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7	0.0	0.0	7	638
2029	Frog and Switch inspection hi-rail inspection vehicle	45	2	360	1,800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3	0.0	0.0	3	253
2029	Hi-rail general (Road rail)	45	3	540	2,700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4	0.0	0.0	4	380
2029	Hi rail backhoe (Road rail)	45	2	360	1,800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3	0.0	0.0	3	253
2029	Hi-rail specialist vehicles (road rail [Welding])	45	3	540	2,700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4	0.0	0.0	4	380
2029	Hi-rail Truck (Road rail[ultrasonic and lubrication])	45	2	360	1,800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3	0.0	0.0	3	253
2029	6 pack (road vehicle)	45	4	720	3,600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2	0.0	0.0	2	196
2029	SUV's	45	8	1440	7,200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	11	1034
2029	Section truck	45	4	720	3,600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5	0.0	0.0	5	507
2040	Flash butt welder (Road rail)	45	2	360	1,800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2	0.0	0.0	2	230
2040	Frog and Switch inspection hi-rail inspection vehicle	45	3	540	2,700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4	0.0	0.0	4	344
2040	Hi-rail general (Road rail)	45	2	360	1,800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2	0.0	0.0	2	230
2040	Hi-rail specialist vehicles (road rail [Welding])	45	3	540	2,700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4	0.0	0.0	4	344
2040	Hi-rail Truck (Road rail[ultrasonic and lubrication])	45	2	360	1,800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2	0.0	0.0	2	230
2040	6 pack (road vehicle)	45	4	720	3,600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2	0.0	0.0	2	171
2040	SUV's	45	8	1440	7,200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	10	932
2040	Section truck	45	4	720	3,600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5	0.0	0.0	5	459

East Gilroy Transit Calculations

Assumptions

Parameter	Result	Unit
Bus trips	107	per day
Idle time	5	minutes per trip
Travel distance	2000 ^a	feet
Total station idle	535	min/day
Total station VMT	41	miles/day

^a Assumes 1,000 foot segment upon entry and exit

Conversions/Defaults

Parameter	Result
Pounds per gram	0.0022
Tons per pound	0.0005
Days per year	365
miles per feet	0.0002

EMFAC2017 Emission Factors^a

Pollutant/process	Factor	Unit
PM10, running	0.00544	grams/mile
PM2.5, running	0.00521	grams/mile
PM10, idling ^b	0.00057	grams/min
PM2.5, idling ^b	0.00055	grams/min

^a Based on outputs for Santa Clara County, 2029, DSL UBUS at 15 miles per hour

^b Convert the 5-mph factor to grams per idle-min assuming 0.08333 miles are traveled per minute

Emissions

Source	Grams per Day		Pounds per Day		Tons per Year	
	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Idle	0.3073	0.2940	0.0007	0.0006	0.0001	0.0001
Approach/Depart	0.2205	0.2110	0.0005	0.0005	0.0001	0.0001