

Cotati General Plan Sonoma-San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	994.69	1000sqft	59.41	994,690.00	0
Industrial Park	1,106.39	1000sqft	151.84	1,106,390.00	0
Single Family Housing	2,125.00	Dwelling Unit	1,234.97	3,825,000.00	6078
Regional Shopping Center	1,233.16	1000sqft	59.41	1,233,160.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	75
Climate Zone	4			Operational Year	2015
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Acreages adjusted to actual.
- Construction Phase - Place Holder
- Off-road Equipment -
- Mobile Land Use Mitigation -
- Area Mitigation -
- Energy Mitigation -
- Water Mitigation -

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10,000.00	5.00
tblLandUse	LotAcreage	22.83	59.41
tblLandUse	LotAcreage	25.40	151.84
tblLandUse	LotAcreage	689.94	1,234.97
tblLandUse	LotAcreage	28.31	59.41
tblProjectCharacteristics	OperationalYear	2014	2015

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
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	45.4008	0.4245	35.3049	0.0210		2.8833	2.8833		2.8832	2.8832	293.9486	108.2164	402.1650	0.6595	0.0155	420.8316
Energy	0.6159	5.3789	3.0864	0.0336		0.4256	0.4256		0.4256	0.4256	0.0000	26,708.9948	26,708.9948	1.0489	0.3046	26,825.4469
Mobile	66.7500	128.3527	616.4718	0.9129	62.8318	1.6315	64.4633	16.8649	1.4953	18.3602	0.0000	74,516.6474	74,516.6474	3.9325	0.0000	74,599.2288
Waste						0.0000	0.0000		0.0000	0.0000	1,247.2902	0.0000	1,247.2902	73.7127	0.0000	2,795.2576
Water						0.0000	0.0000		0.0000	0.0000	210.1611	1,298.9606	1,509.1217	21.6443	0.5218	2,125.4204

Total	112.7667	134.1560	654.8630	0.9675	62.8318	4.9403	67.7721	16.8649	4.8041	21.6690	1,751.3998	102,632.8192	104,384.2191	100.9979	0.8420	106,766.1852
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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	32.9241	0.1897	16.1068	8.4000e-004		0.0966	0.0966		0.0965	0.0965	0.0000	175.6208	175.6208	0.0299	2.7500e-003	177.0989
Energy	0.5338	4.6593	2.6609	0.0291		0.3688	0.3688		0.3688	0.3688	0.0000	24,852.8617	24,852.8617	0.9862	0.2799	24,960.3494
Mobile	64.4779	115.8542	568.0843	0.8097	55.4176	1.4570	56.8746	14.8748	1.3352	16.2100	0.0000	66,071.6391	66,071.6391	3.5435	0.0000	66,146.0534
Waste						0.0000	0.0000		0.0000	0.0000	1,247.2902	0.0000	1,247.2902	73.7127	0.0000	2,795.2576
Water						0.0000	0.0000		0.0000	0.0000	168.1289	1,074.7805	1,242.9094	17.3139	0.4172	1,735.8172
Total	97.9358	120.7032	586.8520	0.8397	55.4176	1.9224	57.3400	14.8748	1.8005	16.6753	1,415.4190	92,174.9022	93,590.3212	95.5862	0.6998	95,814.5766

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	13.15	10.03	10.39	13.21	11.80	61.09	15.39	11.80	62.52	23.05	19.18	10.19	10.34	5.36	16.88	10.26

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Place Holder	Demolition	1/7/2014	1/11/2014		5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
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3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Diversity
 Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	64.4779	115.8542	568.0843	0.8097	55.4176	1.4570	56.8746	14.8748	1.3352	16.2100	0.0000	66,071.6391	66,071.6391	3.5435	0.0000	66,146.0534
Unmitigated	66.7500	128.3527	616.4718	0.9129	62.8318	1.6315	64.4633	16.8649	1.4953	18.3602	0.0000	74,516.6474	74,516.6474	3.9325	0.0000	74,599.2288

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	10,951.54	2,357.42	974.80	19,831,499	17,491,382
Industrial Park	7,700.47	2,754.91	807.66	15,755,296	13,896,171
Regional Shopping Center	52,951.89	61,621.01	31,124.96	89,545,139	78,978,812
Single Family Housing	20,336.25	21,420.00	18,636.25	45,201,426	39,867,658
Total	91,940.15	88,153.33	51,543.67	170,333,359	150,234,023

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 Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Industrial Park	9.50	7.30	7.30	59.00	28.00	13.00	79	19	2
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.473156	0.077101	0.180447	0.153254	0.061890	0.009298	0.018424	0.009367	0.002574	0.002539	0.008564	0.000535	0.002852

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install Energy Efficient Appliances

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					

NaturalGas Mitigated	0.5338	4.6593	2.6609	0.0291		0.3688	0.3688		0.3688	0.3688	0.0000	5,282.2431	5,282.2431	0.1012	0.0968	5,314.3899
NaturalGas Unmitigated	0.6159	5.3789	3.0864	0.0336		0.4256	0.4256		0.4256	0.4256	0.0000	6,095.6121	6,095.6121	0.1168	0.1118	6,132.7089
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	19,570.6187	19,570.6187	0.8849	0.1831	19,645.9595
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	20,613.3828	20,613.3828	0.9321	0.1928	20,692.7380

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	1.71286e+07	0.0924	0.8396	0.7053	5.0400e-003		0.0638	0.0638		0.0638	0.0638	0.0000	914.0453	914.0453	0.0175	0.0168	919.6080
Industrial Park	1.9052e+007	0.1027	0.9339	0.7845	5.6000e-003		0.0710	0.0710		0.0710	0.0710	0.0000	1,016.6892	1,016.6892	0.0195	0.0186	1,022.8766
Regional Shopping Center	3.07057e+006	0.0166	0.1505	0.1264	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.8572	163.8572	3.1400e-003	3.0000e-003	164.8544
Single Family Housing	7.49763e+007	0.4043	3.4548	1.4701	0.0221		0.2793	0.2793		0.2793	0.2793	0.0000	4,001.0204	4,001.0204	0.0767	0.0734	4,025.3699
Total		0.6159	5.3789	3.0864	0.0336		0.4256	0.4256		0.4256	0.4256	0.0000	6,095.6121	6,095.6121	0.1168	0.1118	6,132.7089

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	1.45682e+007	0.0786	0.7141	0.5999	4.2800e-003		0.0543	0.0543		0.0543	0.0543	0.0000	777.4162	777.4162	0.0149	0.0143	782.1474

Industrial Park	1.62042e+07	0.0874	0.7943	0.6672	4.7700e-003		0.0604	0.0604		0.0604	0.0604	0.0000	864.7172	864.7172	0.0166	0.0159	869.9797
Regional Shopping Center	2.60998e+06	0.0141	0.1279	0.1075	7.7000e-004		9.7200e-003	9.7200e-003		9.7200e-003	9.7200e-003	0.0000	139.2786	139.2786	2.6700e-003	2.5500e-003	140.1263
Single Family Housing	6.56031e+07	0.3537	3.0229	1.2863	0.0193		0.2444	0.2444		0.2444	0.2444	0.0000	3,500.8310	3,500.8310	0.0671	0.0642	3,522.1365
Total		0.5337	4.6593	2.6609	0.0291		0.3688	0.3688		0.3688	0.3688	0.0000	5,282.2431	5,282.2431	0.1012	0.0968	5,314.3899

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	1.96053e+07	5,703.4182	0.2579	0.0534	5,725.3746
Industrial Park	2.18069e+07	6,343.8909	0.2869	0.0594	6,368.3129
Regional Shopping Center	1.44156e+07	4,193.6751	0.1896	0.0392	4,209.8195
Single Family Housing	1.503e+007	4,372.3986	0.1977	0.0409	4,389.2310
Total		20,613.3828	0.9321	0.1928	20,692.7380

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	1.84923e+07	5,379.6168	0.2433	0.0503	5,400.3267
Industrial Park	2.05689e+07	5,983.7278	0.2706	0.0560	6,006.7634

Regional Shopping Center	1.37923e+07	4,012.3318	0.1814	0.0375	4,027.7781
Single Family Housing	1.442e+007	4,194.9422	0.1897	0.0392	4,211.0914
Total		19,570.6187	0.8849	0.1831	19,645.9595

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	32.9241	0.1897	16.1068	8.4000e-004		0.0966	0.0966		0.0965	0.0965	0.0000	175.6208	175.6208	0.0299	2.7500e-003	177.0989
Unmitigated	45.4008	0.4245	35.3049	0.0210		2.8833	2.8833		2.8832	2.8832	293.9486	108.2164	402.1650	0.6595	0.0155	420.8316

6.2 Area by SubCategory

Unmitigated

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

Architectural Coating	4.4312					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	27.9604					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	12.4918	0.2348	19.1990	0.0202		2.7971	2.7971		2.7970	2.7970	293.9486	82.3832	376.3317	0.6325	0.0155	394.4318
Landscaping	0.5174	0.1897	16.1059	8.4000e-004		0.0862	0.0862		0.0862	0.0862	0.0000	25.8333	25.8333	0.0270	0.0000	26.3997
Total	45.4008	0.4245	35.3049	0.0210		2.8833	2.8833		2.8832	2.8832	293.9486	108.2164	402.1650	0.6595	0.0155	420.8316

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	4.4312					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	27.9604					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0151	0.0000	8.3000e-004	0.0000		0.0105	0.0105		0.0104	0.0104	0.0000	149.7875	149.7875	2.8700e-003	2.7500e-003	150.6991
Landscaping	0.5174	0.1897	16.1059	8.4000e-004		0.0862	0.0862		0.0862	0.0862	0.0000	25.8333	25.8333	0.0270	0.0000	26.3997
Total	32.9241	0.1897	16.1068	8.4000e-004		0.0966	0.0966		0.0965	0.0965	0.0000	175.6208	175.6208	0.0298	2.7500e-003	177.0989

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	1,509.1217	21.6443	0.5218	2,125.4204
Mitigated	1,242.9094	17.3139	0.4172	1,735.8172

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	176.79 / 108.355	444.7024	5.7783	0.1397	609.3403
Industrial Park	255.853 / 0	483.9136	8.3552	0.2006	721.5649
Regional Shopping Center	91.3433 / 55.9846	229.7674	2.9855	0.0722	314.8320
Single Family Housing	138.452 / 87.2851	350.7382	4.5253	0.1094	479.6832
Total		1,509.1216	21.6443	0.5218	2,125.4204

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e

Land Use	Mgal	MT/yr			
General Office Building	141.432 / 101.745	371.0973	4.6225	0.1117	502.7950
Industrial Park	204.682 / 0	387.1309	6.6829	0.1603	577.1483
Regional Shopping Center	73.0746 / 52.5695	191.7373	2.3883	0.0577	259.7825
Single Family Housing	110.762 / 81.9608	292.9439	3.6202	0.0875	396.0914
Total		1,242.9094	17.3139	0.4172	1,735.8172

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1,247.2902	73.7127	0.0000	2,795.2576
Unmitigated	1,247.2902	73.7127	0.0000	2,795.2576

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			

General Office Building	925.06	187.7788	11.0974	0.0000	420.8244
Industrial Park	1371.92	278.4874	16.4581	0.0000	624.1081
Regional Shopping Center	1294.82	262.8368	15.5332	0.0000	589.0341
Single Family Housing	2552.76	518.1872	30.6240	0.0000	1,161.2909
Total		1,247.2902	73.7127	0.0000	2,795.2576

Mitigated

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
		MT/yr			
General Office Building	925.06	187.7788	11.0974	0.0000	420.8244
Industrial Park	1371.92	278.4874	16.4581	0.0000	624.1081
Regional Shopping Center	1294.82	262.8368	15.5332	0.0000	589.0341
Single Family Housing	2552.76	518.1872	30.6240	0.0000	1,161.2909
Total		1,247.2902	73.7127	0.0000	2,795.2576

9.0 Operational Offroad

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

Cotati General Plan Sonoma-San Francisco County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	994.69	1000sqft	59.41	994,690.00	0
Industrial Park	1,106.39	1000sqft	151.84	1,106,390.00	0
Single Family Housing	2,125.00	Dwelling Unit	1,234.97	3,825,000.00	6078
Regional Shopping Center	1,233.16	1000sqft	59.41	1,233,160.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	75
Climate Zone	4			Operational Year	2015
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Acreages adjusted to actual.
- Construction Phase - Place Holder
- Off-road Equipment -
- Mobile Land Use Mitigation -
- Area Mitigation -
- Energy Mitigation -
- Water Mitigation -

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10,000.00	5.00
tblLandUse	LotAcreage	22.83	59.41
tblLandUse	LotAcreage	25.40	151.84
tblLandUse	LotAcreage	689.94	1,234.97
tblLandUse	LotAcreage	28.31	59.41
tblProjectCharacteristics	OperationalYear	2014	2015

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
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mobile	450.3772	779.5041	3,860.1977	6.2822	428.7193	10.6250	439.3443	114.6410	9.7379	124.3789		564,923.8548	564,923.8548	28.3057		565,518.2743
Area	3,990.7129	52.4006	4,789.7999	1.5459		646.6580	646.6580		646.6387	646.6387	67,060.9208	29,191.4033	96,252.3241	53.8959	5.4459	99,072.3760
Energy	3.3750	29.4732	16.9115	0.1841		2.3318	2.3318		2.3318	2.3318		36,817.8746	36,817.8746	0.7057	0.6750	37,041.9421
Total	4,444.4650	861.3779	8,666.9091	8.0121	428.7193	659.6148	1,088.3341	114.6410	658.7085	773.3494	67,060.9208	630,933.1328	697,994.0536	82.9073	6.1209	701,632.5924

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	188.0493	2.1077	179.2172	9.2800e-003		4.2826	4.2826		4.2476	4.2476	0.0000	52,816.4033	52,816.4033	1.3366	0.9625	53,142.8477
Energy	2.9246	25.5303	14.5803	0.1595		2.0207	2.0207		2.0207	2.0207		31,905.0754	31,905.0754	0.6115	0.5849	32,099.2444
Mobile	435.4432	703.7975	3,516.3553	5.5702	378.1304	9.4852	387.6156	101.1133	8.6924	109.8057		500,797.5102	500,797.5102	25.5060		501,333.1352
Total	626.4171	731.4355	3,710.1528	5.7390	378.1304	15.7884	393.9188	101.1133	14.9606	116.0739	0.0000	585,518.9889	585,518.9889	27.4541	1.5474	586,575.2273

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	85.91	15.09	57.19	28.37	11.80	97.61	63.81	11.80	97.73	84.99	100.00	7.20	16.11	66.89	74.72	16.40

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Place Holder	Demolition	1/7/2014	1/11/2014		5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
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3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Diversity

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	435.4432	703.7975	3,516.3553	5.5702	378.1304	9.4852	387.6156	101.1133	8.6924	109.8057		500,797.5102	500,797.5102	25.5060		501,333.1352
Unmitigated	450.3772	779.5041	3,860.1977	6.2822	428.7193	10.6250	439.3443	114.6410	9.7379	124.3789		564,923.8548	564,923.8548	28.3057		565,518.2743

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
General Office Building	10,951.54	2,357.42	974.80	19,831,499	17,491,382
Industrial Park	7,700.47	2,754.91	807.66	15,755,296	13,896,171
Regional Shopping Center	52,951.89	61,621.01	31,124.96	89,545,139	78,978,812
Single Family Housing	20,336.25	21,420.00	18,636.25	45,201,426	39,867,658
Total	91,940.15	88,153.33	51,543.67	170,333,359	150,234,023

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 Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Industrial Park	9.50	7.30	7.30	59.00	28.00	13.00	79	19	2
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.473156	0.077101	0.180447	0.153254	0.061890	0.009298	0.018424	0.009367	0.002574	0.002539	0.008564	0.000535	0.002852

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install Energy Efficient Appliances

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	2.9246	25.5303	14.5803	0.1595		2.0207	2.0207		2.0207	2.0207		31,905.0754	31,905.0754	0.6115	0.5849	32,099.2444
NaturalGas Unmitigated	3.3750	29.4732	16.9115	0.1841		2.3318	2.3318		2.3318	2.3318		36,817.8746	36,817.8746	0.7057	0.6750	37,041.9421

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	46927.6	0.5061	4.6007	3.8646	0.0276		0.3497	0.3497		0.3497	0.3497		5,520.8902	5,520.8902	0.1058	0.1012	5,554.4894
Industrial Park	52197.4	0.5629	5.1174	4.2986	0.0307		0.3889	0.3889		0.3889	0.3889		6,140.8657	6,140.8657	0.1177	0.1126	6,178.2380
Regional Shopping Center	8412.52	0.0907	0.8248	0.6928	4.9500e-003		0.0627	0.0627		0.0627	0.0627		989.7078	989.7078	0.0190	0.0181	995.7310
Single Family Housing	205414	2.2153	18.9304	8.0555	0.1208		1.5305	1.5305		1.5305	1.5305		24,166.4110	24,166.4110	0.4632	0.4431	24,313.4837
Total		3.3750	29.4733	16.9115	0.1841		2.3318	2.3318		2.3318	2.3318		36,817.8746	36,817.8746	0.7057	0.6750	37,041.9421

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	39.913	0.4304	3.9130	3.2870	0.0235		0.2974	0.2974		0.2974	0.2974		4,695.6421	4,695.6421	0.0900	0.0861	4,724.2190
Industrial Park	44.395	0.4788	4.3525	3.6561	0.0261		0.3308	0.3308		0.3308	0.3308		5,222.9454	5,222.9454	0.1001	0.0958	5,254.7313
Regional Shopping Center	7.15064	0.0771	0.7010	0.5889	4.2100e-003		0.0533	0.0533		0.0533	0.0533		841.2516	841.2516	0.0161	0.0154	846.3713
Single Family Housing	179.735	1.9383	16.5638	7.0484	0.1057		1.3392	1.3392		1.3392	1.3392		21,145.2363	21,145.2363	0.4053	0.3877	21,273.9227
Total		2.9246	25.5303	14.5803	0.1595		2.0207	2.0207		2.0207	2.0207		31,905.0754	31,905.0754	0.6115	0.5849	32,099.2444

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	188.0493	2.1077	179.2172	9.2800e-003		4.2826	4.2826		4.2476	4.2476	0.0000	52,816.4033	52,816.4033	1.3366	0.9625	53,142.8477
Unmitigated	3,990.7129	52.4006	4,789.7999	1.5459		646.6580	646.6580		646.6387	646.6387	67,060.9208	29,191.4033	96,252.3241	53.8959	5.4459	99,072.3760

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	24.2804					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	153.2077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3,807.4761	50.2932	4,610.8453	1.5366		645.7004	645.7004		645.6812	645.6812	67,060.9208	28,875.0000	95,935.9208	53.5655	5.4459	98,749.0346
Landscaping	5.7486	2.1075	178.9547	9.2800e-003		0.9576	0.9576		0.9576	0.9576		316.4033	316.4033	0.3304		323.3415
Total	3,990.7129	52.4006	4,789.8000	1.5459		646.6580	646.6580		646.6387	646.6387	67,060.9208	29,191.4033	96,252.3241	53.8959	5.4459	99,072.3760

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	24.2804					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	153.2077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	4.8125	2.2000e-004	0.2625	0.0000		3.3250	3.3250		3.2900	3.2900	0.0000	52,500.0000	52,500.0000	1.0063	0.9625	52,819.5063
Landscaping	5.7486	2.1075	178.9547	9.2800e-003		0.9576	0.9576		0.9576	0.9576		316.4033	316.4033	0.3304		323.3415
Total	188.0493	2.1077	179.2172	9.2800e-003		4.2826	4.2826		4.2476	4.2476	0.0000	52,816.4033	52,816.4033	1.3366	0.9625	53,142.8477

7.0 Water Detail

7.1 Mitigation Measures Water

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Cotati General Plan
Sonoma-San Francisco County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	994.69	1000sqft	59.41	994,690.00	0
Industrial Park	1,106.39	1000sqft	151.84	1,106,390.00	0
Single Family Housing	2,125.00	Dwelling Unit	1,234.97	3,825,000.00	6078
Regional Shopping Center	1,233.16	1000sqft	59.41	1,233,160.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	75
Climate Zone	4			Operational Year	2015
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Acreages adjusted to actual.
- Construction Phase - Place Holder
- Off-road Equipment -
- Mobile Land Use Mitigation -
- Area Mitigation -
- Energy Mitigation -
- Water Mitigation -

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10,000.00	5.00
tblLandUse	LotAcreage	22.83	59.41
tblLandUse	LotAcreage	25.40	151.84
tblLandUse	LotAcreage	689.94	1,234.97
tblLandUse	LotAcreage	28.31	59.41
tblProjectCharacteristics	OperationalYear	2014	2015

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
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3,990.7129	52.4006	4,789.7999	1.5459		646.6580	646.6580		646.6387	646.6387	67,060.9208	29,191.4033	96,252.3241	53.8959	5.4459	99,072.3760
Energy	3.3750	29.4732	16.9115	0.1841		2.3318	2.3318		2.3318	2.3318		36,817.8746	36,817.8746	0.7057	0.6750	37,041.9421
Mobile	474.0147	875.8340	4,419.7462	5.9242	428.7193	10.6969	439.4162	114.6410	9.8041	124.4450		532,523.4140	532,523.4140	28.3188		533,118.1094
Total	4,468.1026	957.7079	9,226.4576	7.6541	428.7193	659.6867	1,088.4059	114.6410	658.7746	773.4155	67,060.9208	598,532.6920	665,593.6128	82.9204	6.1209	669,232.4275

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	188.0493	2.1077	179.2172	9.2800e-003		4.2826	4.2826		4.2476	4.2476	0.0000	52,816.4033	52,816.4033	1.3366	0.9625	53,142.8477
Energy	2.9246	25.5303	14.5803	0.1595		2.0207	2.0207		2.0207	2.0207		31,905.0754	31,905.0754	0.6115	0.5849	32,099.2444
Mobile	458.8065	790.4065	4,095.8789	5.2553	378.1304	9.5571	387.6875	101.1133	8.7585	109.8718		472,151.6086	472,151.6086	25.5191		472,687.5096
Total	649.7804	818.0445	4,289.6764	5.4241	378.1304	15.8603	393.9907	101.1133	15.0267	116.1400	0.0000	556,873.0874	556,873.0874	27.4672	1.5474	557,929.6017

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	85.46	14.58	53.51	29.14	11.80	97.60	63.80	11.80	97.72	84.98	100.00	6.96	16.33	66.88	74.72	16.63

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Place Holder	Demolition	1/7/2014	1/11/2014		5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
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3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Diversity

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	474.0147	875.8340	4,419.7462	5.9242	428.7193	10.6969	439.4162	114.6410	9.8041	124.4450		532,523.4140	532,523.4140	28.3188		533,118.1094
Mitigated	458.8065	790.4065	4,095.8789	5.2553	378.1304	9.5571	387.6875	101.1133	8.7585	109.8718		472,151.6086	472,151.6086	25.5191		472,687.5096

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
General Office Building	10,951.54	2,357.42	974.80	19,831,499	17,491,382
Industrial Park	7,700.47	2,754.91	807.66	15,755,296	13,896,171
Regional Shopping Center	52,951.89	61,621.01	31,124.96	89,545,139	78,978,812
Single Family Housing	20,336.25	21,420.00	18,636.25	45,201,426	39,867,658
Total	91,940.15	88,153.33	51,543.67	170,333,359	150,234,023

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 Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Industrial Park	9.50	7.30	7.30	59.00	28.00	13.00	79	19	2
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.473156	0.077101	0.180447	0.153254	0.061890	0.009298	0.018424	0.009367	0.002574	0.002539	0.008564	0.000535	0.002852

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install Energy Efficient Appliances

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	2.9246	25.5303	14.5803	0.1595		2.0207	2.0207		2.0207	2.0207		31,905.0754	31,905.0754	0.6115	0.5849	32,099.2444
NaturalGas Unmitigated	3.3750	29.4732	16.9115	0.1841		2.3318	2.3318		2.3318	2.3318		36,817.8746	36,817.8746	0.7057	0.6750	37,041.9421

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	46927.6	0.5061	4.6007	3.8646	0.0276		0.3497	0.3497		0.3497	0.3497		5,520.8902	5,520.8902	0.1058	0.1012	5,554.4894
Industrial Park	52197.4	0.5629	5.1174	4.2986	0.0307		0.3889	0.3889		0.3889	0.3889		6,140.8657	6,140.8657	0.1177	0.1126	6,178.2380
Regional Shopping Center	8412.52	0.0907	0.8248	0.6928	4.9500e-003		0.0627	0.0627		0.0627	0.0627		989.7078	989.7078	0.0190	0.0181	995.7310
Single Family Housing	205414	2.2153	18.9304	8.0555	0.1208		1.5305	1.5305		1.5305	1.5305		24,166.4110	24,166.4110	0.4632	0.4431	24,313.4837
Total		3.3750	29.4733	16.9115	0.1841		2.3318	2.3318		2.3318	2.3318		36,817.8746	36,817.8746	0.7057	0.6750	37,041.9421

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	39.913	0.4304	3.9130	3.2870	0.0235		0.2974	0.2974		0.2974	0.2974		4,695.6421	4,695.6421	0.0900	0.0861	4,724.2190
Industrial Park	44.395	0.4788	4.3525	3.6561	0.0261		0.3308	0.3308		0.3308	0.3308		5,222.9454	5,222.9454	0.1001	0.0958	5,254.7313
Regional Shopping Center	7.15064	0.0771	0.7010	0.5889	4.2100e-003		0.0533	0.0533		0.0533	0.0533		841.2516	841.2516	0.0161	0.0154	846.3713
Single Family Housing	179.735	1.9383	16.5638	7.0484	0.1057		1.3392	1.3392		1.3392	1.3392		21,145.2363	21,145.2363	0.4053	0.3877	21,273.9227
Total		2.9246	25.5303	14.5803	0.1595		2.0207	2.0207		2.0207	2.0207		31,905.0754	31,905.0754	0.6115	0.5849	32,099.2444

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	3,990.7129	52.4006	4,789.7999	1.5459		646.6580	646.6580		646.6387	646.6387	67,060.9208	29,191.4033	96,252.3241	53.8959	5.4459	99,072.3760
Mitigated	188.0493	2.1077	179.2172	9.2800e-003		4.2826	4.2826		4.2476	4.2476	0.0000	52,816.4033	52,816.4033	1.3366	0.9625	53,142.8477

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	24.2804					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	153.2077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3,807.4761	50.2932	4,610.8453	1.5366		645.7004	645.7004		645.6812	645.6812	67,060.9208	28,875.0000	95,935.9208	53.5655	5.4459	98,749.0346
Landscaping	5.7486	2.1075	178.9547	9.2800e-003		0.9576	0.9576		0.9576	0.9576		316.4033	316.4033	0.3304		323.3415
Total	3,990.7129	52.4006	4,789.8000	1.5459		646.6580	646.6580		646.6387	646.6387	67,060.9208	29,191.4033	96,252.3241	53.8959	5.4459	99,072.3760

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	24.2804					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	153.2077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	4.8125	2.2000e-004	0.2625	0.0000		3.3250	3.3250		3.2900	3.2900	0.0000	52,500.0000	52,500.0000	1.0063	0.9625	52,819.5063
Landscaping	5.7486	2.1075	178.9547	9.2800e-003		0.9576	0.9576		0.9576	0.9576		316.4033	316.4033	0.3304		323.3415
Total	188.0493	2.1077	179.2172	9.2800e-003		4.2826	4.2826		4.2476	4.2476	0.0000	52,816.4033	52,816.4033	1.3366	0.9625	53,142.8477

7.0 Water Detail

7.1 Mitigation Measures Water

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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