

Paseo Colorado Redevelopment Project

Initial Study/Mitigated Negative Declaration

Appendix B Air Quality Worksheets

Paseo Colorado Project
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	179.00	Room	5.97	259,908.00	0
Apartments High Rise	100.00	Dwelling Unit	1.61	100,000.00	286
Strip Mall	31.00	1000sqft	0.71	31,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2016
Utility Company	Pasadena Water & Power				
CO2 Intensity (lb/MWhr)	1664.14	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Building construction, paving, and painting assumed to occur simultaneously

Trips and VMT - 985 hauling trips during demolition

Demolition -

Architectural Coating - SCAQMD Rule 1113

Vehicle Trips - Trip generation per Traffic Impact Assessment

Construction Off-road Equipment Mitigation -

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	20.00	230.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	20.00	230.00
tblConstructionPhase	PhaseEndDate	12/14/2016	1/27/2016
tblConstructionPhase	PhaseEndDate	1/13/2016	1/27/2016
tblConstructionPhase	PhaseEndDate	12/14/2016	1/27/2016
tblConstructionPhase	PhaseStartDate	1/28/2016	3/12/2015
tblConstructionPhase	PhaseStartDate	2/26/2015	3/12/2015
tblConstructionPhase	PhaseStartDate	1/28/2016	3/12/2015
tblProjectCharacteristics	OperationalYear	2014	2016
tblTripsAndVMT	HaulingTripNumber	779.00	985.00
tblVehicleTrips	ST_TR	7.16	6.59
tblVehicleTrips	ST_TR	8.19	8.17
tblVehicleTrips	ST_TR	42.04	24.06
tblVehicleTrips	SU_TR	6.07	6.59
tblVehicleTrips	SU_TR	5.95	8.17
tblVehicleTrips	SU_TR	20.43	24.06
tblVehicleTrips	WD_TR	44.32	24.06

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	23.6143	65.0238	60.7205	0.1003	18.2675	3.8758	21.3578	9.9840	3.6263	12.8271	0.0000	9,704.3807	9,704.3807	1.5974	0.0000	9,737.9269
2016	22.5935	59.7077	58.0311	0.1003	3.0891	3.5301	6.6192	0.8262	3.3018	4.1280	0.0000	9,543.2027	9,543.2027	1.5665	0.0000	9,576.0999
Total	46.2078	124.7315	118.7516	0.2006	21.3565	7.4059	27.9769	10.8103	6.9281	16.9551	0.0000	19,247.5834	19,247.5834	3.1640	0.0000	19,314.0268

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	23.6084	64.9708	60.6878	0.1003	15.5193	3.8724	18.1413	3.9263	3.6230	6.7668	0.0000	9,699.5082	9,699.5082	1.5961	0.0000	9,733.0273
2016	22.5881	59.6589	57.9988	0.1003	3.0891	3.5270	6.6160	0.8262	3.2989	4.1251	0.0000	9,538.3704	9,538.3704	1.5653	0.0000	9,571.2408
Total	46.1966	124.6297	118.6866	0.2005	18.6084	7.3993	24.7573	4.7525	6.9219	10.8919	0.0000	19,237.8786	19,237.8786	3.1614	0.0000	19,304.2680

	ROG	NOx	CO	SO2	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	0.0243	0.0817	0.0547	0.0498	12.8680	0.0888	11.5081	56.0368	0.0889	35.7606	0.0000	0.0504	0.0504	0.0815	0.0000	0.0505

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	36.2705	0.7629	58.6513	0.0804		7.6840	7.6840		7.6828	7.6828	936.6918	1,814.9012	2,751.5930	2.8087	0.0636	2,830.2836
Energy	0.2230	2.0113	1.5857	0.0122		0.1541	0.1541		0.1541	0.1541		2,432.7636	2,432.7636	0.0466	0.0446	2,447.5690
Mobile	26.3466	25.1286	105.9454	0.2333	15.2018	0.3589	15.5607	4.0646	0.3299	4.3945		20,547.6584	20,547.6584	0.8672		20,565.8691
Total	62.8401	27.9029	166.1823	0.3258	15.2018	8.1970	23.3988	4.0646	8.1669	12.2315	936.6918	24,795.3232	25,732.0150	3.7225	0.1082	25,843.7217

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	10.2416	0.0981	8.3966	4.4000e-004		0.1659	0.1659		0.1646	0.1646	0.0000	1,920.7835	1,920.7835	0.0518	0.0349	1,932.7031
Energy	0.2230	2.0113	1.5857	0.0122		0.1541	0.1541		0.1541	0.1541		2,432.7636	2,432.7636	0.0466	0.0446	2,447.5690
Mobile	26.3466	25.1286	105.9454	0.2333	15.2018	0.3589	15.5607	4.0646	0.3299	4.3945		20,547.6584	20,547.6584	0.8672		20,565.8691
Total	36.8112	27.2380	115.9277	0.2459	15.2018	0.6789	15.8807	4.0646	0.6487	4.7133	0.0000	24,901.2055	24,901.2055	0.9656	0.0795	24,946.1412

	ROG	NOx	CO	SO2	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	41.4208	2.3827	30.2407	24.5427	0.0000	91.7176	32.1304	0.0000	92.0574	61.4661	100.0000	-0.4270	3.2287	74.0600	26.4744	3.4731

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2015	2/11/2015	5	30	
2	Site Preparation	Site Preparation	2/12/2015	2/25/2015	5	10	
3	Building Construction	Building Construction	3/12/2015	1/27/2016	5	230	
4	Paving	Paving	3/12/2015	1/27/2016	5	230	
5	Architectural Coating	Architectural Coating	3/12/2015	1/27/2016	5	230	

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	985.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	191.00	58.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	38.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2015

Unmitigated Construction On-Site

Acres of Grading: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.6187	0.0000	5.6187	0.8507	0.0000	0.8507			0.0000			0.0000
Off-Road	4.5083	48.3629	36.0738	0.0399		2.4508	2.4508		2.2858	2.2858		4,127.193 4	4,127.193 4	1.1188		4,150.688 6
Total	4.5083	48.3629	36.0738	0.0399	5.6187	2.4508	8.0695	0.8507	2.2858	3.1365		4,127.193 4	4,127.193 4	1.1188		4,150.688 6

3.2 Demolition - 2015

Unmitigated Construction Off-Site

Acres of Grading: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4266	10.4178	7.1020	0.0246	0.5717	0.1717	0.7434	0.1565	0.1580	0.3145		2,498.9177	2,498.9177	0.0203		2,499.3443
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3387	0.0930	1.1469	2.1800e-003	0.1677	1.6800e-003	0.1693	0.0445	1.5300e-003	0.0460		190.7132	190.7132	0.0109		190.9418
Total	1.7652	10.5108	8.2489	0.0267	0.7393	0.1734	0.9127	0.2010	0.1595	0.3605		2,689.6309	2,689.6309	0.0312		2,690.2861

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1913	0.0000	2.1913	0.3318	0.0000	0.3318			0.0000			0.0000
Off-Road	4.5041	48.3186	36.0407	0.0399		2.4486	2.4486		2.2837	2.2837	0.0000	4,123.4069	4,123.4069	1.1178		4,146.8806
Total	4.5041	48.3186	36.0407	0.0399	2.1913	2.4486	4.6398	0.3318	2.2837	2.6155	0.0000	4,123.4069	4,123.4069	1.1178		4,146.8806

3.2 Demolition - 2015

Mitigated Construction Off-Site

Acres of Grading: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4266	10.4178	7.1020	0.0246	13.1604	0.1717	13.3321	3.2465	0.1580	3.4044		2,498.9177	2,498.9177	0.0203		2,499.3443
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3387	0.0930	1.1469	2.1800e-003	0.1677	1.6800e-003	0.1693	0.0445	1.5300e-003	0.0460		190.7132	190.7132	0.0109		190.9418
Total	1.7652	10.5108	8.2489	0.0267	13.3280	0.1734	13.5014	3.2909	0.1595	3.4504		2,689.6309	2,689.6309	0.0312		2,690.2861

3.3 Site Preparation - 2015

Unmitigated Construction On-Site

Acres of Grading: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.2609	56.8897	42.6318	0.0391		3.0883	3.0883		2.8412	2.8412		4,111.7444	4,111.7444	1.2275		4,137.5225
Total	5.2609	56.8897	42.6318	0.0391	18.0663	3.0883	21.1545	9.9307	2.8412	12.7719		4,111.7444	4,111.7444	1.2275		4,137.5225

3.3 Site Preparation - 2015

Unmitigated Construction Off-Site

Acres of Grading: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4064	0.1116	1.3763	2.6200e-003	0.2012	2.0100e-003	0.2032	0.0534	1.8400e-003	0.0552		228.8559	228.8559	0.0131		229.1301
Total	0.4064	0.1116	1.3763	2.6200e-003	0.2012	2.0100e-003	0.2032	0.0534	1.8400e-003	0.0552		228.8559	228.8559	0.0131		229.1301

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	5.2561	56.8375	42.5927	0.0391		3.0855	3.0855		2.8386	2.8386	0.0000	4,107.9721	4,107.9721	1.2264		4,133.7265
Total	5.2561	56.8375	42.5927	0.0391	7.0458	3.0855	10.1313	3.8730	2.8386	6.7116	0.0000	4,107.9721	4,107.9721	1.2264		4,133.7265

3.3 Site Preparation - 2015

Mitigated Construction Off-Site

Acres of Grading: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4064	0.1116	1.3763	2.6200e-003	0.2012	2.0100e-003	0.2032	0.0534	1.8400e-003	0.0552		228.8559	228.8559	0.0131		229.1301
Total	0.4064	0.1116	1.3763	2.6200e-003	0.2012	2.0100e-003	0.2032	0.0534	1.8400e-003	0.0552		228.8559	228.8559	0.0131		229.1301

3.4 Building Construction - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904		2,689.5771	2,689.5771	0.6748		2,703.7483
Total	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904		2,689.5771	2,689.5771	0.6748		2,703.7483

3.4 Building Construction - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9937	5.7350	6.4395	0.0128	0.3616	0.0961	0.4577	0.1029	0.0884	0.1912		1,291.1888	1,291.1888	0.0104		1,291.4065
Worker	4.3124	1.1841	14.6042	0.0278	2.1349	0.0213	2.1563	0.5662	0.0196	0.5857		2,428.4150	2,428.4150	0.1386		2,431.3254
Total	5.3061	6.9191	21.0437	0.0405	2.4965	0.1175	2.6139	0.6690	0.1079	0.7770		3,719.6038	3,719.6038	0.1490		3,722.7319

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6557	30.0024	18.7274	0.0268		2.1148	2.1148		1.9886	1.9886	0.0000	2,687.1096	2,687.1096	0.6742		2,701.2678
Total	3.6557	30.0024	18.7274	0.0268		2.1148	2.1148		1.9886	1.9886	0.0000	2,687.1096	2,687.1096	0.6742		2,701.2678

3.4 Building Construction - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.9937	5.7350	6.4395	0.0128	0.3616	0.0961	0.4577	0.1029	0.0884	0.1912		1,291.1888	1,291.1888	0.0104			1,291.4065
Worker	4.3124	1.1841	14.6042	0.0278	2.1349	0.0213	2.1563	0.5662	0.0196	0.5857		2,428.4150	2,428.4150	0.1386			2,431.3254
Total	5.3061	6.9191	21.0437	0.0405	2.4965	0.1175	2.6139	0.6690	0.1079	0.7770		3,719.6038	3,719.6038	0.1490			3,722.7319

3.4 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620			2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620			2,683.1890

3.4 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.8576	5.0755	5.8967	0.0127	0.3617	0.0793	0.4411	0.1029	0.0730	0.1759		1,277.2796	1,277.2796	9.3800e-003		1,277.4765
Worker	4.0257	1.0707	13.2496	0.0278	2.1349	0.0202	2.1551	0.5662	0.0186	0.5848		2,347.4306	2,347.4306	0.1278		2,350.1142
Total	4.8833	6.1462	19.1463	0.0405	2.4966	0.0995	2.5962	0.6691	0.0915	0.7606		3,624.7102	3,624.7102	0.1372		3,627.5906

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4031	28.4802	18.4897	0.0268		1.9656	1.9656		1.8468	1.8468	0.0000	2,666.8375	2,666.8375	0.6614		2,680.7273
Total	3.4031	28.4802	18.4897	0.0268		1.9656	1.9656		1.8468	1.8468	0.0000	2,666.8375	2,666.8375	0.6614		2,680.7273

3.4 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.8576	5.0755	5.8967	0.0127	0.3617	0.0793	0.4411	0.1029	0.0730	0.1759		1,277.2796	1,277.2796	9.3800e-003			1,277.4765
Worker	4.0257	1.0707	13.2496	0.0278	2.1349	0.0202	2.1551	0.5662	0.0186	0.5848		2,347.4306	2,347.4306	0.1278			2,350.1142
Total	4.8833	6.1462	19.1463	0.0405	2.4966	0.0995	2.5962	0.6691	0.0915	0.7606		3,624.7102	3,624.7102	0.1372			3,627.5906

3.5 Paving - 2015

Unmitigated Construction On-Site

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016		2,339.8984	2,339.8984	0.6986			2,354.5681
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016		2,339.8984	2,339.8984	0.6986			2,354.5681

3.5 Paving - 2015

Unmitigated Construction Off-Site

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3387	0.0930	1.1469	2.1800e-003	0.1677	1.6800e-003	0.1693	0.0445	1.5300e-003	0.0460		190.7132	190.7132	0.0109		190.9418
Total	0.3387	0.0930	1.1469	2.1800e-003	0.1677	1.6800e-003	0.1693	0.0445	1.5300e-003	0.0460		190.7132	190.7132	0.0109		190.9418

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3151	25.1527	14.9643	0.0223		1.4135	1.4135		1.3004	1.3004	0.0000	2,337.7516	2,337.7516	0.6979		2,352.4079
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.3151	25.1527	14.9643	0.0223		1.4135	1.4135		1.3004	1.3004	0.0000	2,337.7516	2,337.7516	0.6979		2,352.4079

3.5 Paving - 2015

Mitigated Construction Off-Site

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3387	0.0930	1.1469	2.1800e-003	0.1677	1.6800e-003	0.1693	0.0445	1.5300e-003	0.0460		190.7132	190.7132	0.0109		190.9418
Total	0.3387	0.0930	1.1469	2.1800e-003	0.1677	1.6800e-003	0.1693	0.0445	1.5300e-003	0.0460		190.7132	190.7132	0.0109		190.9418

3.5 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0898	22.3859	14.8176	0.0223		1.2610	1.2610		1.1601	1.1601		2,316.3767	2,316.3767	0.6987		2,331.0495
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.0898	22.3859	14.8176	0.0223		1.2610	1.2610		1.1601	1.1601		2,316.3767	2,316.3767	0.6987		2,331.0495

3.5 Paving - 2016

Unmitigated Construction Off-Site

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3162	0.0841	1.0406	2.1800e-003	0.1677	1.5900e-003	0.1693	0.0445	1.4600e-003	0.0459		184.3532	184.3532	0.0100		184.5639
Total	0.3162	0.0841	1.0406	2.1800e-003	0.1677	1.5900e-003	0.1693	0.0445	1.4600e-003	0.0459		184.3532	184.3532	0.0100		184.5639

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0879	22.3654	14.8040	0.0223		1.2598	1.2598		1.1590	1.1590	0.0000	2,314.2516	2,314.2516	0.6981		2,328.9109
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.0879	22.3654	14.8040	0.0223		1.2598	1.2598		1.1590	1.1590	0.0000	2,314.2516	2,314.2516	0.6981		2,328.9109

3.5 Paving - 2016

Mitigated Construction Off-Site

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3162	0.0841	1.0406	2.1800e-003	0.1677	1.5900e-003	0.1693	0.0445	1.4600e-003	0.0459		184.3532	184.3532	0.0100		184.5639
Total	0.3162	0.0841	1.0406	2.1800e-003	0.1677	1.5900e-003	0.1693	0.0445	1.4600e-003	0.0459		184.3532	184.3532	0.0100		184.5639

3.6 Architectural Coating - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.7287					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4066	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209		281.4481	281.4481	0.0367		282.2177
Total	11.1353	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209		281.4481	281.4481	0.0367		282.2177

3.6 Architectural Coating - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8580	0.2356	2.9056	5.5300e-003	0.4248	4.2400e-003	0.4290	0.1127	3.8900e-003	0.1165		483.1402	483.1402	0.0276		483.7192
Total	0.8580	0.2356	2.9056	5.5300e-003	0.4248	4.2400e-003	0.4290	0.1127	3.8900e-003	0.1165		483.1402	483.1402	0.0276		483.7192

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.7287					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4062	2.5680	1.9000	2.9700e-003		0.2207	0.2207		0.2207	0.2207	0.0000	281.1898	281.1898	0.0366		281.9587
Total	11.1349	2.5680	1.9000	2.9700e-003		0.2207	0.2207		0.2207	0.2207	0.0000	281.1898	281.1898	0.0366		281.9587

3.6 Architectural Coating - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.8580	0.2356	2.9056	5.5300e-003	0.4248	4.2400e-003	0.4290	0.1127	3.8900e-003	0.1165		483.1402	483.1402	0.0276			483.7192
Total	0.8580	0.2356	2.9056	5.5300e-003	0.4248	4.2400e-003	0.4290	0.1127	3.8900e-003	0.1165		483.1402	483.1402	0.0276			483.7192

3.6 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	10.7287					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332			282.1449
Total	11.0972	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332			282.1449

3.6 Architectural Coating - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8009	0.2130	2.6361	5.5300e-003	0.4248	4.0200e-003	0.4288	0.1127	3.6900e-003	0.1163		467.0281	467.0281	0.0254		467.5620
Total	0.8009	0.2130	2.6361	5.5300e-003	0.4248	4.0200e-003	0.4288	0.1127	3.6900e-003	0.1163		467.0281	467.0281	0.0254		467.5620

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.7287					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3681	2.3701	1.8822	2.9700e-003		0.1964	0.1964		0.1964	0.1964	0.0000	281.1898	281.1898	0.0332		281.8860
Total	11.0969	2.3701	1.8822	2.9700e-003		0.1964	0.1964		0.1964	0.1964	0.0000	281.1898	281.1898	0.0332		281.8860

3.6 Architectural Coating - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.8009	0.2130	2.6361	5.5300e-003	0.4248	4.0200e-003	0.4288	0.1127	3.6900e-003	0.1163		467.0281	467.0281	0.0254			467.5620
Total	0.8009	0.2130	2.6361	5.5300e-003	0.4248	4.0200e-003	0.4288	0.1127	3.6900e-003	0.1163		467.0281	467.0281	0.0254			467.5620

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	26.3466	25.1286	105.9454	0.2333	15.2018	0.3589	15.5607	4.0646	0.3299	4.3945		20,547.6584	20,547.6584	0.8672			20,565.8691
Unmitigated	26.3466	25.1286	105.9454	0.2333	15.2018	0.3589	15.5607	4.0646	0.3299	4.3945		20,547.6584	20,547.6584	0.8672			20,565.8691

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	659.00	659.00	659.00	2,251,903	2,251,903
Hotel	1,462.43	1,462.43	1462.43	3,489,608	3,489,608
Strip Mall	745.86	745.86	745.86	1,419,070	1,419,070
Total	2,867.29	2,867.29	2,867.29	7,160,581	7,160,581

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.533598	0.058434	0.178244	0.125508	0.038944	0.006283	0.016425	0.031066	0.002453	0.003157	0.003691	0.000543	0.001655

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2230	2.0113	1.5857	0.0122		0.1541	0.1541		0.1541	0.1541		2,432.7636	2,432.7636	0.0466	0.0446	2,447.5690
NaturalGas Unmitigated	0.2230	2.0113	1.5857	0.0122		0.1541	0.1541		0.1541	0.1541		2,432.7636	2,432.7636	0.0466	0.0446	2,447.5690

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	17816.2	0.1921	1.7467	1.4672	0.0105		0.1328	0.1328		0.1328	0.1328		2,096.0188	2,096.0188	0.0402	0.0384	2,108.7748
Strip Mall	144.384	1.5600e-003	0.0142	0.0119	8.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003		16.9863	16.9863	3.3000e-004	3.1000e-004	17.0897
Apartments High Rise	2717.95	0.0293	0.2505	0.1066	1.6000e-003		0.0203	0.0203		0.0203	0.0203		319.7586	319.7586	6.1300e-003	5.8600e-003	321.7046
Total		0.2230	2.0113	1.5857	0.0122		0.1541	0.1541		0.1541	0.1541		2,432.7636	2,432.7636	0.0466	0.0446	2,447.5690

5.2 Energy by Land Use - Natural Gas

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					
Strip Mall	0.144384	1.5600e-003	0.0142	0.0119	8.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003		16.9863	16.9863	3.3000e-004	3.1000e-004	17.0897
Apartments High Rise	2.71795	0.0293	0.2505	0.1066	1.6000e-003		0.0203	0.0203		0.0203	0.0203		319.7586	319.7586	6.1300e-003	5.8600e-003	321.7046
Hotel	17.8162	0.1921	1.7467	1.4672	0.0105		0.1328	0.1328		0.1328	0.1328		2,096.0188	2,096.0188	0.0402	0.0384	2,108.7748
Total		0.2230	2.0113	1.5857	0.0122		0.1541	0.1541		0.1541	0.1541		2,432.7636	2,432.7636	0.0466	0.0446	2,447.5690

6.0 Area Detail

6.1 Mitigation Measures Area

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	10.2416	0.0981	8.3966	4.4000e-004		0.1659	0.1659		0.1646	0.1646	0.0000	1,920.7835	1,920.7835	0.0518	0.0349	1,932.7031
Unmitigated	36.2705	0.7629	58.6513	0.0804		7.6840	7.6840		7.6828	7.6828	936.6918	1,814.9012	2,751.5930	2.8087	0.0636	2,830.2836

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	2.0614					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.7400					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	26.2036	0.6648	50.2642	0.0800		7.6388	7.6388		7.6376	7.6376	936.6918	1,800.0000	2,736.6918	2.7934	0.0636	2,815.0617
Landscaping	0.2656	0.0981	8.3871	4.4000e-004		0.0452	0.0452		0.0452	0.0452		14.9012	14.9012	0.0153		15.2218
Total	36.2705	0.7629	58.6513	0.0804		7.6840	7.6840		7.6828	7.6828	936.6918	1,814.9012	2,751.5930	2.8087	0.0636	2,830.2836

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	2.0614					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.7400					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1747	1.0000e-005	9.5300e-003	0.0000		0.1207	0.1207		0.1194	0.1194	0.0000	1,905.8824	1,905.8824	0.0365	0.0349	1,917.4812
Landscaping	0.2656	0.0981	8.3871	4.4000e-004		0.0452	0.0452		0.0452	0.0452		14.9012	14.9012	0.0153		15.2218
Total	10.2416	0.0981	8.3966	4.4000e-004		0.1659	0.1659		0.1647	0.1647	0.0000	1,920.7835	1,920.7835	0.0518	0.0349	1,932.7031

7.0 Water Detail

7.1 Mitigation Measures Water

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

Paseo Colorado Project
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	179.00	Room	5.97	259,908.00	0
Apartments High Rise	100.00	Dwelling Unit	1.61	100,000.00	286
Strip Mall	31.00	1000sqft	0.71	31,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2016
Utility Company	Pasadena Water & Power				
CO2 Intensity (lb/MWhr)	1664.14	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Building construction, paving, and painting assumed to occur simultaneously

Trips and VMT - 985 hauling trips during demolition

Demolition -

Architectural Coating - SCAQMD Rule 1113

Vehicle Trips - Trip generation per Traffic Impact Assessment

Construction Off-road Equipment Mitigation -

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	20.00	230.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	20.00	230.00
tblConstructionPhase	PhaseEndDate	12/14/2016	1/27/2016
tblConstructionPhase	PhaseEndDate	1/13/2016	1/27/2016
tblConstructionPhase	PhaseEndDate	12/14/2016	1/27/2016
tblConstructionPhase	PhaseStartDate	1/28/2016	3/12/2015
tblConstructionPhase	PhaseStartDate	2/26/2015	3/12/2015
tblConstructionPhase	PhaseStartDate	1/28/2016	3/12/2015
tblProjectCharacteristics	OperationalYear	2014	2016
tblTripsAndVMT	HaulingTripNumber	779.00	985.00
tblVehicleTrips	ST_TR	7.16	6.59
tblVehicleTrips	ST_TR	8.19	8.17
tblVehicleTrips	ST_TR	42.04	24.06
tblVehicleTrips	SU_TR	6.07	6.59
tblVehicleTrips	SU_TR	5.95	8.17
tblVehicleTrips	SU_TR	20.43	24.06
tblVehicleTrips	WD_TR	44.32	24.06

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	24.8637	65.3364	60.9410	0.0982	18.2675	3.8770	21.3578	9.9840	3.6274	12.8271	0.0000	9,519.7007	9,519.7007	1.5977	0.0000	9,553.2528
2016	23.7586	59.9841	58.2810	0.0982	3.0891	3.5310	6.6200	0.8262	3.3026	4.1288	0.0000	9,364.2613	9,364.2613	1.5668	0.0000	9,397.1642
Total	48.6223	125.3205	119.2221	0.1964	21.3565	7.4080	27.9778	10.8103	6.9300	16.9559	0.0000	18,883.9620	18,883.9620	3.1645	0.0000	18,950.4170

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	24.8578	65.2834	60.9083	0.0982	15.5193	3.8736	18.1419	3.9263	3.6241	6.7668	0.0000	9,514.8282	9,514.8282	1.5964	0.0000	9,548.3532
2016	23.7532	59.9352	58.2487	0.0982	3.0891	3.5278	6.6169	0.8262	3.2997	4.1259	0.0000	9,359.4290	9,359.4290	1.5655	0.0000	9,392.3051
Total	48.6110	125.2187	119.1571	0.1963	18.6084	7.4014	24.7587	4.7525	6.9238	10.8927	0.0000	18,874.2573	18,874.2573	3.1620	0.0000	18,940.6582

	ROG	NOx	CO	SO2	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	0.0231	0.0813	0.0545	0.0509	12.8680	0.0890	11.5056	56.0368	0.0889	35.7590	0.0000	0.0514	0.0514	0.0809	0.0000	0.0515

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	36.2705	0.7629	58.6513	0.0804		7.6840	7.6840		7.6828	7.6828	936.6918	1,814.9012	2,751.5930	2.8087	0.0636	2,830.2836
Energy	0.2230	2.0113	1.5857	0.0122		0.1541	0.1541		0.1541	0.1541		2,432.7636	2,432.7636	0.0466	0.0446	2,447.5690
Mobile	30.5276	26.4610	107.6802	0.2228	15.2018	0.3609	15.5626	4.0646	0.3317	4.3963		19,645.9650	19,645.9650	0.8680		19,664.1920
Total	67.0211	29.2353	167.9172	0.3153	15.2018	8.1990	23.4007	4.0646	8.1686	12.2332	936.6918	23,893.6298	24,830.3216	3.7232	0.1082	24,942.0446

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	10.2416	0.0981	8.3966	4.4000e-004		0.1659	0.1659		0.1646	0.1646	0.0000	1,920.7835	1,920.7835	0.0518	0.0349	1,932.7031
Energy	0.2230	2.0113	1.5857	0.0122		0.1541	0.1541		0.1541	0.1541		2,432.7636	2,432.7636	0.0466	0.0446	2,447.5690
Mobile	30.5276	26.4610	107.6802	0.2228	15.2018	0.3609	15.5626	4.0646	0.3317	4.3963		19,645.9650	19,645.9650	0.8680		19,664.1920
Total	40.9922	28.5704	117.6625	0.2354	15.2018	0.6808	15.8826	4.0646	0.6504	4.7150	0.0000	23,999.5121	23,999.5121	0.9664	0.0795	24,044.4641

	ROG	NOx	CO	SO2	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	38.8369	2.2741	29.9282	25.3615	0.0000	91.6960	32.1278	0.0000	92.0374	61.4571	100.0000	-0.4431	3.3459	74.0446	26.4744	3.5987

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2015	2/11/2015	5	30	
2	Site Preparation	Site Preparation	2/12/2015	2/25/2015	5	10	
3	Building Construction	Building Construction	3/12/2015	1/27/2016	5	230	
4	Paving	Paving	3/12/2015	1/27/2016	5	230	
5	Architectural Coating	Architectural Coating	3/12/2015	1/27/2016	5	230	

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	985.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	191.00	58.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	38.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2015

Unmitigated Construction On-Site

Acres of Grading: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.6187	0.0000	5.6187	0.8507	0.0000	0.8507			0.0000			0.0000
Off-Road	4.5083	48.3629	36.0738	0.0399		2.4508	2.4508		2.2858	2.2858		4,127.193 4	4,127.193 4	1.1188		4,150.688 6
Total	4.5083	48.3629	36.0738	0.0399	5.6187	2.4508	8.0695	0.8507	2.2858	3.1365		4,127.193 4	4,127.193 4	1.1188		4,150.688 6

3.2 Demolition - 2015

Unmitigated Construction Off-Site

Acres of Grading: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.5327	10.7847	8.1400	0.0245	0.5717	0.1723	0.7440	0.1565	0.1585	0.3150		2,493.0677	2,493.0677	0.0206		2,493.4995
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4091	0.1031	1.0807	2.0600e-003	0.1677	1.6800e-003	0.1693	0.0445	1.5300e-003	0.0460		180.0161	180.0161	0.0109		180.2447
Total	1.9418	10.8878	9.2207	0.0266	0.7393	0.1740	0.9133	0.2010	0.1601	0.3610		2,673.0838	2,673.0838	0.0314		2,673.7442

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1913	0.0000	2.1913	0.3318	0.0000	0.3318			0.0000			0.0000
Off-Road	4.5041	48.3186	36.0407	0.0399		2.4486	2.4486		2.2837	2.2837	0.0000	4,123.4069	4,123.4069	1.1178		4,146.8806
Total	4.5041	48.3186	36.0407	0.0399	2.1913	2.4486	4.6398	0.3318	2.2837	2.6155	0.0000	4,123.4069	4,123.4069	1.1178		4,146.8806

3.2 Demolition - 2015

Mitigated Construction Off-Site

Acres of Grading: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.5327	10.7847	8.1400	0.0245	13.1604	0.1723	13.3327	3.2465	0.1585	3.4050		2,493.0677	2,493.0677	0.0206		2,493.4995
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4091	0.1031	1.0807	2.0600e-003	0.1677	1.6800e-003	0.1693	0.0445	1.5300e-003	0.0460		180.0161	180.0161	0.0109		180.2447
Total	1.9418	10.8878	9.2207	0.0266	13.3280	0.1740	13.5021	3.2909	0.1601	3.4510		2,673.0838	2,673.0838	0.0314		2,673.7442

3.3 Site Preparation - 2015

Unmitigated Construction On-Site

Acres of Grading: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.2609	56.8897	42.6318	0.0391		3.0883	3.0883		2.8412	2.8412		4,111.7444	4,111.7444	1.2275		4,137.5225
Total	5.2609	56.8897	42.6318	0.0391	18.0663	3.0883	21.1545	9.9307	2.8412	12.7719		4,111.7444	4,111.7444	1.2275		4,137.5225

3.3 Site Preparation - 2015

Unmitigated Construction Off-Site

Acres of Grading: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4910	0.1238	1.2968	2.4700e-003	0.2012	2.0100e-003	0.2032	0.0534	1.8400e-003	0.0552		216.0194	216.0194	0.0131		216.2936
Total	0.4910	0.1238	1.2968	2.4700e-003	0.2012	2.0100e-003	0.2032	0.0534	1.8400e-003	0.0552		216.0194	216.0194	0.0131		216.2936

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	5.2561	56.8375	42.5927	0.0391		3.0855	3.0855		2.8386	2.8386	0.0000	4,107.9721	4,107.9721	1.2264		4,133.7265
Total	5.2561	56.8375	42.5927	0.0391	7.0458	3.0855	10.1313	3.8730	2.8386	6.7116	0.0000	4,107.9721	4,107.9721	1.2264		4,133.7265

3.3 Site Preparation - 2015

Mitigated Construction Off-Site

Acres of Grading: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4910	0.1238	1.2968	2.4700e-003	0.2012	2.0100e-003	0.2032	0.0534	1.8400e-003	0.0552		216.0194	216.0194	0.0131		216.2936
Total	0.4910	0.1238	1.2968	2.4700e-003	0.2012	2.0100e-003	0.2032	0.0534	1.8400e-003	0.0552		216.0194	216.0194	0.0131		216.2936

3.4 Building Construction - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904		2,689.5771	2,689.5771	0.6748		2,703.7483
Total	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904		2,689.5771	2,689.5771	0.6748		2,703.7483

3.4 Building Construction - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0968	5.8829	7.7374	0.0127	0.3616	0.0973	0.4589	0.1029	0.0895	0.1923		1,280.5148	1,280.5148	0.0107		1,280.7384
Worker	5.2097	1.3131	13.7608	0.0262	2.1349	0.0213	2.1563	0.5662	0.0196	0.5857		2,292.2054	2,292.2054	0.1386		2,295.1158
Total	6.3065	7.1960	21.4982	0.0389	2.4965	0.1187	2.6151	0.6690	0.1090	0.7781		3,572.7202	3,572.7202	0.1492		3,575.8542

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6557	30.0024	18.7274	0.0268		2.1148	2.1148		1.9886	1.9886	0.0000	2,687.1096	2,687.1096	0.6742		2,701.2678
Total	3.6557	30.0024	18.7274	0.0268		2.1148	2.1148		1.9886	1.9886	0.0000	2,687.1096	2,687.1096	0.6742		2,701.2678

3.4 Building Construction - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.0968	5.8829	7.7374	0.0127	0.3616	0.0973	0.4589	0.1029	0.0895	0.1923		1,280.514 8	1,280.514 8	0.0107			1,280.738 4
Worker	5.2097	1.3131	13.7608	0.0262	2.1349	0.0213	2.1563	0.5662	0.0196	0.5857		2,292.205 4	2,292.205 4	0.1386			2,295.115 8
Total	6.3065	7.1960	21.4982	0.0389	2.4965	0.1187	2.6151	0.6690	0.1090	0.7781		3,572.720 2	3,572.720 2	0.1492			3,575.854 2

3.4 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.286 4	2,669.286 4	0.6620			2,683.189 0
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.286 4	2,669.286 4	0.6620			2,683.189 0

3.4 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9459	5.2029	7.1794	0.0127	0.3617	0.0802	0.4419	0.1029	0.0737	0.1767		1,266.674 2	1,266.674 2	9.6500e- 003		1,266.876 8
Worker	4.8686	1.1872	12.4412	0.0262	2.1349	0.0202	2.1551	0.5662	0.0186	0.5848		2,215.659 4	2,215.659 4	0.1278		2,218.343 0
Total	5.8144	6.3902	19.6206	0.0389	2.4966	0.1004	2.5970	0.6691	0.0923	0.7614		3,482.333 7	3,482.333 7	0.1374		3,485.219 7

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4031	28.4802	18.4897	0.0268		1.9656	1.9656		1.8468	1.8468	0.0000	2,666.837 5	2,666.837 5	0.6614		2,680.727 3
Total	3.4031	28.4802	18.4897	0.0268		1.9656	1.9656		1.8468	1.8468	0.0000	2,666.837 5	2,666.837 5	0.6614		2,680.727 3

3.4 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.9459	5.2029	7.1794	0.0127	0.3617	0.0802	0.4419	0.1029	0.0737	0.1767		1,266.674 2	1,266.674 2	9.6500e- 003			1,266.876 8
Worker	4.8686	1.1872	12.4412	0.0262	2.1349	0.0202	2.1551	0.5662	0.0186	0.5848		2,215.659 4	2,215.659 4	0.1278			2,218.343 0
Total	5.8144	6.3902	19.6206	0.0389	2.4966	0.1004	2.5970	0.6691	0.0923	0.7614		3,482.333 7	3,482.333 7	0.1374			3,485.219 7

3.5 Paving - 2015

Unmitigated Construction On-Site

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016		2,339.898 4	2,339.898 4	0.6986			2,354.568 1
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016		2,339.898 4	2,339.898 4	0.6986			2,354.568 1

3.5 Paving - 2015

Unmitigated Construction Off-Site

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4091	0.1031	1.0807	2.0600e-003	0.1677	1.6800e-003	0.1693	0.0445	1.5300e-003	0.0460		180.0161	180.0161	0.0109		180.2447
Total	0.4091	0.1031	1.0807	2.0600e-003	0.1677	1.6800e-003	0.1693	0.0445	1.5300e-003	0.0460		180.0161	180.0161	0.0109		180.2447

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3151	25.1527	14.9643	0.0223		1.4135	1.4135		1.3004	1.3004	0.0000	2,337.7516	2,337.7516	0.6979		2,352.4079
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.3151	25.1527	14.9643	0.0223		1.4135	1.4135		1.3004	1.3004	0.0000	2,337.7516	2,337.7516	0.6979		2,352.4079

3.5 Paving - 2015

Mitigated Construction Off-Site

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4091	0.1031	1.0807	2.0600e-003	0.1677	1.6800e-003	0.1693	0.0445	1.5300e-003	0.0460		180.0161	180.0161	0.0109		180.2447
Total	0.4091	0.1031	1.0807	2.0600e-003	0.1677	1.6800e-003	0.1693	0.0445	1.5300e-003	0.0460		180.0161	180.0161	0.0109		180.2447

3.5 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0898	22.3859	14.8176	0.0223		1.2610	1.2610		1.1601	1.1601		2,316.3767	2,316.3767	0.6987		2,331.0495
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.0898	22.3859	14.8176	0.0223		1.2610	1.2610		1.1601	1.1601		2,316.3767	2,316.3767	0.6987		2,331.0495

3.5 Paving - 2016

Unmitigated Construction Off-Site

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3824	0.0932	0.9771	2.0600e-003	0.1677	1.5900e-003	0.1693	0.0445	1.4600e-003	0.0459		174.0047	174.0047	0.0100		174.2154
Total	0.3824	0.0932	0.9771	2.0600e-003	0.1677	1.5900e-003	0.1693	0.0445	1.4600e-003	0.0459		174.0047	174.0047	0.0100		174.2154

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0879	22.3654	14.8040	0.0223		1.2598	1.2598		1.1590	1.1590	0.0000	2,314.2516	2,314.2516	0.6981		2,328.9109
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.0879	22.3654	14.8040	0.0223		1.2598	1.2598		1.1590	1.1590	0.0000	2,314.2516	2,314.2516	0.6981		2,328.9109

3.5 Paving - 2016

Mitigated Construction Off-Site

Acres of Paving: 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3824	0.0932	0.9771	2.0600e-003	0.1677	1.5900e-003	0.1693	0.0445	1.4600e-003	0.0459		174.0047	174.0047	0.0100		174.2154
Total	0.3824	0.0932	0.9771	2.0600e-003	0.1677	1.5900e-003	0.1693	0.0445	1.4600e-003	0.0459		174.0047	174.0047	0.0100		174.2154

3.6 Architectural Coating - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.7287					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4066	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209		281.4481	281.4481	0.0367		282.2177
Total	11.1353	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209		281.4481	281.4481	0.0367		282.2177

3.6 Architectural Coating - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	1.0365	0.2612	2.7378	5.2100e-003	0.4248	4.2400e-003	0.4290	0.1127	3.8900e-003	0.1165		456.0409	456.0409	0.0276			456.6199
Total	1.0365	0.2612	2.7378	5.2100e-003	0.4248	4.2400e-003	0.4290	0.1127	3.8900e-003	0.1165		456.0409	456.0409	0.0276			456.6199

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	10.7287					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.4062	2.5680	1.9000	2.9700e-003		0.2207	0.2207		0.2207	0.2207	0.0000	281.1898	281.1898	0.0366			281.9587
Total	11.1349	2.5680	1.9000	2.9700e-003		0.2207	0.2207		0.2207	0.2207	0.0000	281.1898	281.1898	0.0366			281.9587

3.6 Architectural Coating - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.0365	0.2612	2.7378	5.2100e-003	0.4248	4.2400e-003	0.4290	0.1127	3.8900e-003	0.1165		456.0409	456.0409	0.0276		456.6199
Total	1.0365	0.2612	2.7378	5.2100e-003	0.4248	4.2400e-003	0.4290	0.1127	3.8900e-003	0.1165		456.0409	456.0409	0.0276		456.6199

3.6 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.7287					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
Total	11.0972	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449

3.6 Architectural Coating - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.9686	0.2362	2.4752	5.2100e-003	0.4248	4.0200e-003	0.4288	0.1127	3.6900e-003	0.1163		440.8118	440.8118	0.0254			441.3457
Total	0.9686	0.2362	2.4752	5.2100e-003	0.4248	4.0200e-003	0.4288	0.1127	3.6900e-003	0.1163		440.8118	440.8118	0.0254			441.3457

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	10.7287					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3681	2.3701	1.8822	2.9700e-003		0.1964	0.1964		0.1964	0.1964	0.0000	281.1898	281.1898	0.0332			281.8860
Total	11.0969	2.3701	1.8822	2.9700e-003		0.1964	0.1964		0.1964	0.1964	0.0000	281.1898	281.1898	0.0332			281.8860

3.6 Architectural Coating - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.9686	0.2362	2.4752	5.2100e-003	0.4248	4.0200e-003	0.4288	0.1127	3.6900e-003	0.1163		440.8118	440.8118	0.0254		441.3457
Total	0.9686	0.2362	2.4752	5.2100e-003	0.4248	4.0200e-003	0.4288	0.1127	3.6900e-003	0.1163		440.8118	440.8118	0.0254		441.3457

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	30.5276	26.4610	107.6802	0.2228	15.2018	0.3609	15.5626	4.0646	0.3317	4.3963		19,645.9650	19,645.9650	0.8680		19,664.1920
Unmitigated	30.5276	26.4610	107.6802	0.2228	15.2018	0.3609	15.5626	4.0646	0.3317	4.3963		19,645.9650	19,645.9650	0.8680		19,664.1920

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	659.00	659.00	659.00	2,251,903	2,251,903
Hotel	1,462.43	1,462.43	1462.43	3,489,608	3,489,608
Strip Mall	745.86	745.86	745.86	1,419,070	1,419,070
Total	2,867.29	2,867.29	2,867.29	7,160,581	7,160,581

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.533598	0.058434	0.178244	0.125508	0.038944	0.006283	0.016425	0.031066	0.002453	0.003157	0.003691	0.000543	0.001655

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2230	2.0113	1.5857	0.0122		0.1541	0.1541		0.1541	0.1541		2,432.7636	2,432.7636	0.0466	0.0446	2,447.5690
NaturalGas Unmitigated	0.2230	2.0113	1.5857	0.0122		0.1541	0.1541		0.1541	0.1541		2,432.7636	2,432.7636	0.0466	0.0446	2,447.5690

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	17816.2	0.1921	1.7467	1.4672	0.0105		0.1328	0.1328		0.1328	0.1328		2,096.0188	2,096.0188	0.0402	0.0384	2,108.7748
Strip Mall	144.384	1.5600e-003	0.0142	0.0119	8.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003		16.9863	16.9863	3.3000e-004	3.1000e-004	17.0897
Apartments High Rise	2717.95	0.0293	0.2505	0.1066	1.6000e-003		0.0203	0.0203		0.0203	0.0203		319.7586	319.7586	6.1300e-003	5.8600e-003	321.7046
Total		0.2230	2.0113	1.5857	0.0122		0.1541	0.1541		0.1541	0.1541		2,432.7636	2,432.7636	0.0466	0.0446	2,447.5690

5.2 Energy by Land Use - Natural Gas

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					
Hotel	17.8162	0.1921	1.7467	1.4672	0.0105		0.1328	0.1328		0.1328	0.1328		2,096.0188	2,096.0188	0.0402	0.0384	2,108.7748
Strip Mall	0.144384	1.5600e-003	0.0142	0.0119	8.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003		16.9863	16.9863	3.3000e-004	3.1000e-004	17.0897
Apartments High Rise	2.71795	0.0293	0.2505	0.1066	1.6000e-003		0.0203	0.0203		0.0203	0.0203		319.7586	319.7586	6.1300e-003	5.8600e-003	321.7046
Total		0.2230	2.0113	1.5857	0.0122		0.1541	0.1541		0.1541	0.1541		2,432.7636	2,432.7636	0.0466	0.0446	2,447.5690

6.0 Area Detail

6.1 Mitigation Measures Area

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	10.2416	0.0981	8.3966	4.4000e-004		0.1659	0.1659		0.1646	0.1646	0.0000	1,920.7835	1,920.7835	0.0518	0.0349	1,932.7031
Unmitigated	36.2705	0.7629	58.6513	0.0804		7.6840	7.6840		7.6828	7.6828	936.6918	1,814.9012	2,751.5930	2.8087	0.0636	2,830.2836

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	2.0614					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.7400					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	26.2036	0.6648	50.2642	0.0800		7.6388	7.6388		7.6376	7.6376	936.6918	1,800.0000	2,736.6918	2.7934	0.0636	2,815.0617
Landscaping	0.2656	0.0981	8.3871	4.4000e-004		0.0452	0.0452		0.0452	0.0452		14.9012	14.9012	0.0153		15.2218
Total	36.2705	0.7629	58.6513	0.0804		7.6840	7.6840		7.6828	7.6828	936.6918	1,814.9012	2,751.5930	2.8087	0.0636	2,830.2836

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	2.0614					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.7400					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1747	1.0000e-005	9.5300e-003	0.0000		0.1207	0.1207		0.1194	0.1194	0.0000	1,905.8824	1,905.8824	0.0365	0.0349	1,917.4812
Landscaping	0.2656	0.0981	8.3871	4.4000e-004		0.0452	0.0452		0.0452	0.0452		14.9012	14.9012	0.0153		15.2218
Total	10.2416	0.0981	8.3966	4.4000e-004		0.1659	0.1659		0.1647	0.1647	0.0000	1,920.7835	1,920.7835	0.0518	0.0349	1,932.7031

7.0 Water Detail

7.1 Mitigation Measures Water

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
